

Rainfall—Has been decidedly more important than for some weeks past. The heaviest average falls have occurred in Orissa, which has received 1.16 inches; South-West Bengal and Chutia Nagpur have received an average fall of 0.40 inch, and East Bengal one of 0.26 inch. The falls in the other districts have, however, been so small as to be quite unimportant. Compared with the normal, Orissa has received a large excess for the week, South-West Bengal a decided excess, and Chutia Nagpur a slight excess; but in all other districts the rainfall has been in rather large defect of the normal.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 14th of March 1890:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE						RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1889.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	94.4	61.6	88.3	72.1	80.2	-0.2	1.16	0.27	+0.89	2.5	0.6	+1.9	1.21	0.46	63.36	54.33
South-West Bengal ...	94.3	56.7	88.1	67.4	77.8	-1.6	0.40	0.27	+0.13	1.5	0.6	+0.9	0.50	0.63	53.31	53.23
East Bengal	91.1	57.6	55.8	66.4	76.4	-0.6	0.26	0.45	-0.19	0.9	0.7	+0.2	0.30	1.13	76.90	76.44
North Bengal	94.0	49.4	88.0	66.1	74.0	0	0.01	0.20	-0.19	0.2	0.5	-0.3	0.04	0.49	73.58	71.40
North Behar*	91.3	49.9	86.4	57.7	72.0	-1.3	Nil	0.09	-0.09	0.0	0.4	-0.4	0.10	0.23	58.00	49.45
South Behar	93.2	57.0	87.6	64.1	75.9	-0.7	0.04	0.11	-0.07	0.5	0.5	0	0.24	0.25	44.42	44.55
Chutia Nagpur	86.2*	56.9*	61.4*	61.1*	71.2*	-2.8*	0.40	0.36	+0.04	2.0	0.7	+1.3	0.97	0.50	44.05	50.80

* Durbhanga and Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 18th March 1890.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 9th to 15th March 1890.

MONTH.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	TEMPERATURE.					HYGROMETRY.				Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
Mar. 1890 ...	9th ...	29.964	74.9	85.0	20.3	64.7	77.8	67.2	.526	60.4	55	...
" " ...	10th ...	.973	75.0	85.0	20.1	64.9	72.6	68.6	.647	66.3	81	0.21
" " ...	11th ...	.884	79.5	90.0	21.1	68.9	82.1	75.5	.796	72.4	73	...
" " ...	12th ...	.864	79.5	90.9	21.1	68.9	81.6	76.0	.824	73.4	77	0.06
" " ...	13th ...	.814	78.1	88.0	19.9	68.1	79.6	73.6	.749	70.6	74	0.15
" " ...	14th ...	.796	80.4	91.0	21.2	69.8	84.6	69.6	.523	60.2	44	...
" " ...	15th ...	.794	82.4	92.0	19.2	72.8	82.6	75.0	.767	71.3	69	...

The mean 10 A.M. pressure of the seven days Inches.
29.870

The mean temperature of the seven days 78.5

The extreme variation of temperature 27.3

The maximum temperature 92.0

The mean 10 A.M. relative humidity of the seven days %
68

The total fall of rain from 9th to 15th March 1890 Inches.
0.42

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 17th March 1890.

Results of the Meteorological Observations taken at the Alipore Observatory from 9th to 15th March 1890.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1890.		°		Inches.	°	°	°	°	°	Inches.	°	%			Inches.	
March	9th	141.6	4.3	29.899	75.2	84.9	17.2	67.7	67.8	0.586	63.4	69	SSW and variable ...	121	0.18	Chiefly cloudy, o, p, t, <.
"	10th	143.8	4.1	.869	73.8	82.8	18.0	64.8	69.9	.685	68.0	82	SSW and variable ...	57	0.04	Chiefly cloudy, o, d.
"	11th	146.5	7.2	.797	77.7	88.3	19.6	68.8	72.3	.722	69.5	78	SW, WSW and SSE	92	Nil	Partially cloudy, t, &, =.
"	12th	146.5	8.8	.787	78.1	87.6	18.9	68.7	73.4	.766	71.2	80	SSW and SW ...	161	0.05	Partially cloudy, o, g, d.
"	13th	144.0	3.5	.761	78.4	87.5	18.5	69.0	71.6	.687	68.0	72	WSW and SSW ...	94	0.02	Chiefly cloudy, o, t, <, d.
"	14th	150.9	9.4	.724	80.2	90.6	21.4	69.2	70.0	.601	64.2	62	WNW and SSW ...	92	Nil	Chiefly clear, &.
"	15th	144.5	8.5	.717	81.0	90.9	17.9	73.0	73.0	.708	68.9	69	SW and SSW ...	146	"	Partially cloudy.

The mean pressure of the seven days ... 29.793
 The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 29.839

The total number of hours of bright sunshine ... 45.8
 The maximum possible number of hours of sunshine ... 83.3

The mean temperature of the seven days ... 77.8
 The average temperature of the corresponding period for 24 years, S.-G.'s Office ... 79.4
 The extreme variation of temperature ... 26.1
 The maximum temperature ... 90.9

The highest velocity of the wind in one hour ... 13
 lbs.

The highest pressure of wind on one square foot ... Approximately 7

The mean relative humidity ... 73

The average relative humidity of the corresponding period for 24 years, S.-G.'s Office ... 68

The total fall of rain from 9th to 15th March 1890 ... 0.29
 The average fall of the corresponding period for 24 years, S.-G.'s Office ... 0.13

The total fall from 1st January to 15th March 1890 ... 1.09

The average fall of the corresponding period for 24 years, S.-G.'s Office ... 2.31

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers, t thunder, < lightning, & dew, = fog.

D. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
 Calcutta, the 17th March 1890.

MEMORANDUM.

FROM the annexed table, exhibiting the vital statistics of the principal municipalities in Bengal for the week ending 1st March 1890, it appears—

1. That during the week in question births and deaths were registered in the proportions, respectively, of 18.5 and 20.1 per 1,000 of population, as opposed to 20.6 and 22.2 per 1,000, respectively, during the preceding week ending 22nd February, indicating a retrogression in the registration of both the events.

2. That births and deaths were recorded at the highest rates from the following municipalities:—

Births.				Deaths.			
			Ratio per mille.				Ratio per mille.
Narainganj	...	...	37.3	Poori	...	...	65.0
Durbhanga	...	...	31.5	Utterpara	...	...	37.8
Serampore	...	...	31.4	Gya	...	...	37.6
Comillah	...	...	30.8	Hughli and Chinsurah	...	...	34.5
Jessore	...	...	30.6	Serampore	...	...	33.4

3. That the only noticeable point, in connection with the incidence of the following death-causes in comparison with the outcome of the preceding week, is a decrease in the mortality from fever, *vide* table given below—

				Ratio per mille during the weeks ending—	
				1st March 1890.	22nd February 1890.
Cholera	...	...	...	2.9	2.6
Small-pox	...	...	...	1.0	1.1
Fever	...	...	...	7.4	9.1
Bowel-complaints	...	...	...	2.5	2.9
Injury	...	...	...	.6	.2
Other causes	...	...	...	5.7	6.3

4. That small-pox was still noticeably severe in the Poori Municipality (mortality 31.5 per 1,000 of population), and bowel-complaints prevailed in Hughli and Chinsurah town (mortality 11.5 per 1,000 of population); while cholera, fever, and the maladies coming under the head of "Other causes" gave rise to the highest mortality in the following municipalities:—

Cholera.			Fever.			Other causes.		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Narainganj	...	16.6	Jessore	...	24.5	Serampore	...	13.7
Comillah	...	15.4	Rampore Beaulah	...	23.6	Chupra	...	12.1
Monghyr	...	9.9				Bhagulpore	...	10.8
Gya	...	8.9				Poori	...	10.4
Dacca	...	4.5						
Bhagulpore	...	4.5						
Durbhanga	...	3.1						
Howrah	...	2.3						

5. That the death-rates according to Sex, Class and Age stood as shown below:—

According to Sex.			According to Class.			According to Age.		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males	...	21.9	Hindus	...	21.8	Under 1 year	...	127.0
Females	...	18.2	Mahomedans	...	16.4	1 and under 5 years	...	21.8
Ratio of male deaths to every 100 female deaths, calculated on the proportions such mortality bears to the total male and female population	...	120	Buddhists	...	25.7	5 " 10 "	...	11.8
						10 " 15 "	...	8.1
						15 " 20 "	...	14.1
						20 " 30 "	...	14.3
						30 " 40 "	...	12.8
						40 " 50 "	...	20.8
						50 " 60 "	...	16.1
						60 years and upwards	...	57.7

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

The 17th March 1890.

[illegible]

MORTALITY ACCORDING TO—												
Age.												
DISTRICTS, MUNICIPALITIES.	Class.						Deaths.					
	Deaths among—						Ratio per 1,000 of Population per annum.					
	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.		Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.
	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up.	Ratio per 1,000 of Population per annum.	
Burwan
Midnapore
Hughli
Serampore
Howrah
Nudda
Jessore
Rajshahy
Darjiling
Dacca
Narainganj
Chittagong
Comilla
Patna
Gya
Sahabad
Monsiehpore
Durban
Chupra
Bhagalpore
Monghyr
Purneah
Patna
POORI
TOTAL

W. H. GREGG, Dip. Publ. Health, Camb.

OFFICE OF SANITARY COMMISSIONER FOR BENGAL.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing Quantities of Goods carried during the month of December 1889.

ORISSA CIRCLE.

TALDUNDA CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDA CANAL, 27 MILES.
MACHGONG „ 4 „

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
3	1. Grain ...	6	14	20	975	20	975	
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
...	3. Oilseeds ...	.....	.....	.....	.....	.....	.....
...	4. Salt ...	.....	.....	.....	.....	.....	.....
...	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
...	6. Metal ...	.....	.....	.....	.....	.....	.....
19	7. Building materials ...	3	288	291	464	18	25	
3	8. Miscellaneous ...	.....	21	21	1,135	21	1,135	
...	9. Fuel ...	.....	.....	.....	.....	.....	.....
3 rafts	10. Timber No.	.....	99	99	187	99	187	
4 "	11. Bamboos . "	.....	2,100	2,100	27	2,100	27	
25 boats 7 rafts.	12. Total ...	{ 9	323 & 2,199 No.	332 & 2,199 No.	{ 2,788 }	59 & 2,199 No.	{ 2,349 }	
58 boats 42 rafts.	13. Total of same month last year.	{	1,040 & 32,876 No.	1,040 & 32,876 No.	{ 4,326 }	141 & 32,876 No.	{ 2,746 }	
		Up.	Down.	Total.				Rs. A. P.
14. Total number of boats plying cargo No.		2	23	25	Total tollage of month— 24 + 25 + 26 ...			140 12 6
15. Total number of boats plying passenger No.		4	1	5	Total tollage of same month last year ...			413 12 9
16. Total registered tonnage, cargo, private Tons		10	90	100	Memorandum of Tollage.			
16½. Ditto ditto, Government Tons		13	460	473				
17. Total registered tonnage, passenger Tons		83	26	109				Rs. A. P.
17½. Ditto ditto, empty Tons		208	78	286				
18. Ton-mileage ...		3,458	7,476	10,934	1. Balance not recovered on the 1st of the month ...			12 8 0
19. Estimated value of cargo Rs.		700	1,874	2,574	2. Tollage per month ...			140 12 6
20. Number of passengers ...		187	100	287	3. Total ...			153 4 6
21. Rafts, bamboos No.		.....	2,100	2,100	4. Amount credited in the accounts of the month ...			152 4 6
22. Do., bullahs "		.....	99	99	5. Balance due at the end of the month ...			1 0 0
23. Estimated value of rafts Rs.		.....	214	214				
24. Tollage on boats "		34-1-0	91-6-0	125-7-0				
25. Compounded tollage on boats Rs.		.....	.....	.....	
26. Tollage on rafts "		.....	15-5-6	15-5-6				
27. Total tollage on boats per ton-mile Rs.		.....	.....	2-20				
28. Total tollage on rafts per 100 cubic feet Rs.		.....	.....	.....	

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
92	1. Grain ...	276	431	707	35,130	707	35,130
1	2. Cotton ...	.....	2	2	500	2	500
5	3. Oilseeds ...	4	8	12	1,260	12	1,260
29	4. Salt ...	89	39	128	11,050	128	11,050
...	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
...	6. Metal ...	.....	.....	.....	.....	.....	.....
38	7. Building materials ...	.....	627	627	7,810	286	6,710
130	8. Miscellaneous ...	642	694	1,336	2,23,460	1,336	2,23,460
6	9. Fuel ...	25	.....	25	70	25	70
5 rafts	10. Timber ...	.....	11,376 c. ft.	11,376 c. ft.	1,520	11,376 c. ft.	1,520
9 "	11. Bamboos ...	.....	9,387 "	9,387 "	440	9,387 "	440
301 & 14 rafts.	12. Total ...	{ 1,036	1,801 & 20,763 c. ft.	2,837 & 20,763 c. ft. }	2,81,240 {	2,496 & 20,763 c. ft. }	2,80,140
368 & 18 rafts.	13. Total of same month last year.	{ 915	2,007 & 52,219 No.	2,922 & 52,219 No. }	3,04,060 {	2,717 & 52,219 No. }	3,01,990
		Up.	Down.	Total.			
14. Total number of boats plying cargo No.		136	165	301			
15. Total number of boats plying passenger No.		60	64	124			
15½. Ditto empty boats "		225	150	375			
16. Total registered tonnage, cargo, private Tons		2,100	2,970	5,070			
16½. Ditto ditto, Government "		.....	567	567			
17. Total registered tonnage, passenger Tons		2,267	1,669	3,936			
17½. Ditto ditto empty boats "		1,704	624	2,328			
18. Ton-mileage ...		259,743	221,929	481,672			
19. Estimated value of cargo Rs.		194,690	84,590	2,79,280			
20. Number of passengers ...		2,541	2,484	5,025			
21. Rafts, bamboos C. ft.		.....	9,387	9,387			
22. Do., timber "		.....	11,376	11,376			
23. Estimated value of rafts Rs.		.....	1,960	1,960			
24. Tollage on boats "		2,269-12-5	3,540-10-10	5,810-7-3			
25. Compounded tollage on boats Rs.		.....	.....	.....
26. Tollage on rafts "		.....	129-6-3	129-6-3			
27. Total tollage on boats per ton-mile Rs.		.....	.....	0-0-2-3			
28. Total tollage on rafts per 100 cubic feet Rs.		.....	.....	0-10-0			
					Memorandum of Tollage		
					Rs. A. P.		
					Total tollage of month— 24 + 25 + 26 ...		
					5,939 13 6		
					Total tollage of same month last year ...		
					4,932 2 5		
					Rs. A. P.		
					1. Balance not recovered on the 1st of the month ...		
					4,043 13 9		
					2. Tollage per month ...		
					5,939 13 6		
					3. Total ...		
					9,983 11 3		
					4. Amount credited in the accounts of the month ...		
					5,240 14 9		
					5. Balance due at the end of the month ...		
					4,742 12 0		

HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 33 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
98	1. Grain ...	278	.....	278	22,890	278	22,890
2	2. Cotton ...	1	..... 3	4	1,000	4	1,000
5	3. Oilseeds ...	19	.....	19	1,560	19	1,560
51	4. Salt ...	.....	161	161	13,470	161	13,470
...	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
...	6. Metal ...	.....	.....	.....	.....	.....	.....
18	7. Building materials ...	19	128	147	340	19	140
63	8. Miscellaneous ...	101	57	158	13,920	158	13,920
16	9. Fuel ...	148	.....	148	410	148	410
9 rafts	10. Timber ...	13,284 c. ft.	.....	13,284 c. ft.	5,610	13,284 c. ft.	5,610
2 do.	11. Bamboos ...	.....	925 c. ft.	925 "	80	925 "	80
253 & 1 rafts.	12. Total ...	{ 566 & 13,284 c. ft.	{ 349 & 925 c. ft.	{ 915 & 14,209 c. ft.	{ 59,280	{ 787 & 14,209 c. ft.	{ 59,080
171 & 1 rafts.	13. Total of same month last year ...	{ 277 & 1,526 No.	{ 196	{ 473 & 1,526 No.	{ 36,710	{ 430 & 1,526 No.	{ 36,670
		Up.	Down.	Total.			Rs. A. P.
4.	Total number of boats plying cargo No.	164	89	253	Total tollage of month— 24 + 25 + 26 ...		707 8 9
5.	Total number of boats plying passenger No.	5	4	9	Total tollage of same month last year ...		445 14 0
6.	Ditto empty boats "	77	158	235	Memorandum of Tollage.		
7.	Total registered tonnage, cargo, private Tons	1,100	485	1,585			
8.	Ditto ditto, Government "	.....	245	245			
9.	Total registered tonnage, passenger Tons	78	70	148			
10.	Ditto empty boats "	367	551	918	1. Balance not recovered on the 1st of the month ...		301 6 6
11.	Ton-mileage ...	35,612	29,474	65,086			
12.	Estimated value of cargo Rs.	32,490	21,100	53,590	2. Tollage per month ...		707 8 9
13.	Number of passengers ...	60	47	107			
14.	Rafts, bamboos C. ft.	.....	925	925			
15.	Do., timber "	13,284	.....	13,284	3. Total ...		1,008 15 3
16.	Estimated value of rafts Rs.	5,610	80	5,690			
17.	Tollage on boats "	326-7-2	221-6-4	547-13-6	4. Amount credited in the accounts of the month		645 12 8
18.	Compounded tollage on boats Rs.	.....	.....	.....
19.	Tollage on rafts "	156-6-3	3-5-0	159-11-3			
20.	Total tollage on boats per ton-mile Rs.	.....	.....	0-0-1-6	5. Balance due at the end of the month ...		363 2 7
21.	Total tollage on rafts per 100 cubic feet Rs.	.....	.....	1-2-0			

HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 12½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
30	1. Grain ...	76	3	79	4,039	79	4,039
5	2. Cotton ...	½	4	4½	730	4½	730
1	3. Oilseeds ...	.....	1	1	56	1	56
7	4. Salt ...	.....	25	25	3,500	25	3,500
20	5. Piece-goods ...	.....	21	21	5,880	21	5,880
...	6. Metal ...	.....	.....	.....	.....	.....	.....
11	7. Building materials ...	.....	110	110	47	.....	.....
15	8. Miscellaneous ...	10	48	58	7,055	46	6,951
1	9. Fuel ...	.....	5½	5½	16	.....	.....
18 rafts	10. Timber, 865 No. ...	.....	5,190 c. ft.	5,190 c. ft.	2,595	5,190 c. ft.	2,595
...	11. Bamboos ...	.....	.....	.....	.....	.....	.....
90 & 18 rafts.	12. Total ...	{ 86½	{ 217½ & 5,190 c. ft.	{ 304 & 5,190 c. ft.	{ 23,918 {	{ 176½ & 5,190 c. ft. }	{ 23,751
68 & 8 rafts.	13. Total of same month last year.	{ 105½ & 96 c. ft.	{ 169 & 3,738 c. ft.	{ 274½ & 3,834 c. ft.	{ 18,120 {	{ 267½ & 3,834 c. ft. }	{ 18,068
		Up.	Down.	Total.			
14.	Total number of boats plying cargo ... No.	32	58	90	Total tollage of month— 24 + 25 + 26 ...		Rs. A. 184 4
15.	Total number of boats plying passenger ... No.	.....	1	1	Total tollage of same month last year ...		149 13
15½.	Ditto empty boats ..	30	68	98	Memorandum of Tollage.		
16.	Total registered tonnage, cargo Tons	173	119	292			
16½.	Ditto Govt. do. ..	.....	224	224			
17.	Total registered tonnage, passenger Tons	.....	5	5			
17½.	Ditto empty boats ..	158	179	337			
18.	Ton-mileage ...	4,302	7,240	11,542	1. Balance not recovered on the 1st of the month ...		Rs. A. 24 8
19.	Estimated value of cargo Rs.	4,552	16,771	21,323	2. Tollage per month ...		184 4
20.	Number of passengers ...	151	262	413	3. Total ...		208
21.	Rafts, bamboos C. ft.	.....	.....	.....	4. Amount credited in the accounts of the month ...		208
22.	Do., bullahs ..	.....	5,190	5,190	5. Balance due at the end of the month ...		Nil
23.	Estimated value of rafts Rs.	.....	2,595	2,595			
24.	Tollage on boats ..	51-15-9	88-12-0	140-11-9			
25.	Compounded tollage on boats Rs.	.....	.....	.....
26.	Tollage on rafts ..	.....	43-9-0	43-9-0			
27.	Total tollage on boats per ton-mile Rs.	.....	.....	0-0-2-34			
28.	Total tollage on rafts per 100 cubic feet Rs.	.....	.....	0-13-5			

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
7	1. Grain ...	15½	.....	15½	870	15½	870
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
...	3. Oilseeds ...	.....	.....	.....	.....	.....	.....
2	4. Salt ...	5	3	8	940	8	940
...	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
...	6. Metal ...	.....	.....	.....	.....	.....	.....
4	7. Building materials ...	.....	35	35	113	.....	.....
3	8. Miscellaneous ...	.....	19	19	2,494	19	2,494
...	9. Fuel ...	.....	.....	.....	.....	.....	.....
16 rafts	10. Timber, No. 310 ...	.....	1,860 c. ft.	1,860 c. ft.	651	1,860 c. ft.	651
...	11. Bamboos ...	.....	.....	.....	.....	.....	.....
16 & 16 rafts.	12. Total ...	{ 20½	{ 57 & 1,860 c. ft.	{ 77½ & 1,860 c. ft.	{ 5,068	{ 42½ & 1,860 c. ft.	{ 4,955
24 & 3 rafts.	13. Total of same month last year.	{ 52	{ 26 & 330 c. ft.	{ 78 & 330 c. ft.	{ 4,443	{ 68 & 330 c. ft.	{ 4,408
		Up.	Down.	Total.			Rs. A. P.
14.	Total number of boats plying cargo No.	8	8	16	Total tollage of month— 24 + 25 + 26 ...		53 9 6
15.	Total number of boats plying passenger No.	.....	.....	.....	Total tollage of same month last year ...		38 3 6
15½.	Ditto of empty ditto "	11	12	23			
16.	Total registered tonnage, cargo Tons	41	44	85			
16½.	Ditto of Govt. ditto "	.....	70	70	Memorandum of Tollage.		
17.	Total registered tonnage, passenger Tons	.....	.....	.....
17½.	Ditto of empty ditto "	47	22	69			
18.	Ton-mileage ...	1,301	1,850	3,151	1. Balance not recovered on the 1st of the month ...		13 15 3
19.	Estimated value of cargo Rs.	1,454	2,963	4,417	2. Tollage per month ...		53 9 6
20.	Number of passengers ...	235	223	458	3. Total ...		67 8 9
21.	Rafts, bamboos C. ft.	.....	.....	.....	4. Amount credited in the accounts of the month ...		67 8 9
22.	Do., bullahs "	.....	1,860	1,860			
23.	Estimated value of rafts Rs.	.....	651	651	5. Balance due at the end of the month ...		Nil
24.	Tollage on boats "	15-2-9	22-15-0	38-1-9			
25.	Compounded tollage on boats Rs.	.....	.....	.....
26.	Tollage on rafts "	.....	15-7-9	15-7-9			
27.	Total tollage on boats per ton-mile Rs.	.....	.....	0-0-2-32			
28.	Total tollage on rafts per 100 cubic feet Rs.	.....	.....	0-13-4			

JAJEPORE CANAL.

LENGTH OF CANAL OPEN, 6½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
...	1. Grain	.....	.....	.....	.....	.....	.....
...	2. Cotton	.....	.....	.....	.....	.....	.....
...	3. Oilseeds	.....	.....	.....	.....	.....	.....
...	4. Salt	.....	.....	.....	.....	.....	.....
...	5. Piece-goods	.....	.....	.....	.....	.....	.....
...	6. Metal	.....	.....	.....	.....	.....	.....
...	7. Building materials	.....	.....	.....	.....	.....	.....
13	8. Miscellaneous	.....	10½	10½	2,450	10½	2,450	
1	9. Fuel	4	.....	4	55	4	55	
17 rafts.	10. Timber, 531 No.	.....	3,186 c. ft.	3,186 c. ft.	415	3,186 c. ft.	415	
...	11. Bamboos	.....	.....	.....	.....	.....	.....
14 & 17 rafts.	12. Total	{ 4	{ 10½ & 3,186 c. ft.	{ 14½ & 3,186 c. ft.	{ 2,920	{ 14½ & 3,186 c. ft.	{ 2,920	
8 & 12 rafts.	13. Total of same month last year.	{ 16 & 1,890 c. ft.	{ 3	{ 16 & 1,890 c. ft.	{ 980	{ 16 & 1,890 c. ft.	{ 980	
14. Total number of boats plying cargo	No.	1	13	14	Total tollage of month— 24 + 25 + 26			Rs. A. P.
15. Total number of boats plying passenger	No.	.....	.....	.....				13 14 3
15½. Ditto empty ditto	..	21	2	23				9 7 11
16. Total registered tonnage, cargo	Tons	.....	28	28	Memorandum of Tollage.			
16½. Ditto Govt. ditto	..	.....	.....	.....
17. Total registered tonnage, passenger	Tons	.....	.....	.....	
17½. Ditto empty ditto	..	14	1	15				
18. Ton-mileage	...	132	130	262	1. Balance not recovered on the 1st of the month	...	15 8 0	
19. Estimated value of cargo	Rs.	55	2,450	2,505	2. Tollage per month	...	13 14 3	
20. Number of passengers	...	.....	.....	.....	3. Total	...	29 6 3	
21. Rafts, bamboos	C. ft.	.....	.....	.....	4. Amount credited in the accounts of the month	...	29 6 3	
22. Do., bullahs	..	.....	3,186	3,186	5. Balance due at the end of the month	...	Nil	
23. Estimated value of rafts	Rs.	.....	415	415				
24. Tollage on boats	..	2-7-0	3-2-0	5-9-0				
25. Compounded tollage on boats	Rs.	.....	.....	.....	
26. Tollage on rafts	..	.....	8-5-3	8-5-3				
27. Total tollage on boats per ton-mile	Rs.	.....	.....	0-0-4-07				
28. Total tollage on rafts per 100 cubic feet	Rs.	.....	.....	0-4-2				

SOUTH-WESTERN CIRCLE.
MIDNAPORE CANAL.
LENGTH OF CANAL OPEN, 53 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
888	1. Grain ...	5,013	365	5,378	2,87,160	5,378	2,87,160	
...	2. Cotton ...	.....	3	3	1,300	3	1,300	
15	3. Oilseeds ...	125	47	172	15,481	172	15,481	
89	4. Salt ...	.....	710	710	74,522	710	74,522	
9	5. Piece-goods ...	7	83	90	2,44,630	90	2,44,630	
19	6. Metal ...	122	79	201	1,86,560	201	1,86,560	
12	7. Building materials ...	77	6	83	1,785	83	1,785	
288	8. Miscellaneous ...	724	630	1,354	4,05,664	1,354	4,05,664	
18	9. Fuel ...	95	93	188	2,445	188	2,445	
66 rafts	10. Timber ...	15,497 c. ft.	84 c. ft.	15,581 c. ft.	7,619	15,581 c. ft.	7,619	
9 "	11. Bamboos ...	2 100 "	125 "	2,225 "	218	2,225 "	218	
1,338 & 75 rafts.	12. Total ...	{ 6,161 & 17,597 c. ft.	{ 2,016 & 209 c. ft.	{ 8,179 & 17,806 c. ft.	{ 12,27,384	{ 8,179 & 17,806 c. ft.	{ 12,27,384	
1,658 & 89 rafts.	13. Total of same month last year.	{ 6,884 & 29,801 c. ft.	{ 2,010 & 28 c. ft.	{ 8,894 & 29,829 c. ft.	{ 10,76,485	{ 8,894 & 29,829 c. ft.	{ 10,76,485	
		Up.	Down.	Total.				Rs. A. P.
14. Total number of boats plying cargo	No.	1,074	264	1,338	Total tollage of month—24+25+26 ...			10,882 15 0
15. Total number of boats plying passenger	No.	460	658	1,118	Total tollage of same month last year ...			13,272 0 3
15½. Ditto empty	"	514	766	1,280				
16. Total registered tonnage, cargo	Tons	14,229	3,826	18,055	Memorandum of Tollage.			
17. Total registered tonnage, passenger	Tons	3,964	4,105	8,069				
17½. Ditto empty	"	2,319	3,429	5,748				Rs. A. P.
18. Ton-mileage		438,902	230,398	669,300	1. Balance not recovered on the 1st of the month ...			5,310 11 10
19. Estimated value of cargo	Rs.	6,69,267	5,50,280	12,19,547	2. Tollage per month ...			10,882 15 0
20. Number of passengers	...	3,426	9,303	12,729				
21. Rafts, bamboos	C. ft.	2,100	125	2,225	3. Total ..			16,193 10 10
22. Do., bullahs	"	15,497	84	15,581				
23. Estimated value of rafts	Rs.	7,614	223	7,837				
24. Tollage on boats	"	7,026-8-6	3,616-2-0	10,642-10-6				
25. Compounded tollage on boats	Rs.	.....	.....	.....	4. Amount paid into treasury during the month			9,306 15 9
26. Tollage on rafts	"	239-6-3	0-14-3	240 4-6				
27. Total tollage on boats per ton-mile	Rs.	.....	.....	0-0-3				
28. Total tollage on rafts per 100 cubic feet	Rs.	...	.....	1-5-6	5. Balance due at the end of the month ...			6,886 11 1

HIDGELLIE TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
749	1. Grain ...	3,919	144	4,063	2,37,557	4,063	2,37,557	
...	2. Cotton ...	...	...	...	...	...	...
5	3. Oilseeds ...	...	7	7	600	7	600	
14	4. Salt ...	...	128	128	14,360	128	14,360	
...	5. Piece-goods ...	...	...	...	...	...	...
1	6. Metal ...	...	1	1	140	1	140	
13	7. Building materials ...	9	47	56	1,939	56	1,939	
797	8. Miscellaneous ...	346	277	623	67,902	623	67,902	
12	9. Fuel ...	31	128	159	1,965	88	1,115	
10 rafts	10. Timber ...	126 c. ft.	416 c. ft.	542 c. ft.	655	542 c. ft.	655	
...	11. Bamboos ...	...	...	...	...	...	...
1,591 & 10 rafts.	12. Total ..	{ 4,305 & 126 c. ft.	{ 732 & 46 c. ft.	{ 5,037 & 542 c. ft. }	3,25,118 {	{ 4,966 & 542 c. ft.	{ 3,24,268	
1,187 & 16 rafts.	13. Total of same month last year.	{ 2,523 & 596 c. ft.	{ 500 & 6,974 c. ft.	{ 3,023 & 7,570 c. ft. }	1,86,749 {	{ 3,003 & 7,570 c. ft.	{ 1,86,574	
		Up.	Down.	Total.				Rs. A. P.
14.	Total number of boats ply- ing cargo No.	888	703	1,591	Total tollage of month— 24 + 25 + 26 ...			3,400 10 3
15.	Total number of boats ply- ing passenger No.	58	35	93	Total tollage of same month last year			2,371 3 6
16.	Total registered tonnage, cargo Tons	8,768	3,630	12,398	Memorandum of Tollage.			
17.	Total registered tonnage, passenger Tons	461	385	846				
18.	Ton-mileage ...	129,792	64,226	194,018	Rs. A. P.			
19.	Estimated value of cargo R.	2,40,127	84,336	3,24,463				
20.	Number of passengers ...	927	1,361	2,288				
21.	Rafts, bamboos C. ft.	...	...	...	
22.	Do., bullahs ..	126	416	542				
23.	Estimated value of rafts Rs.	250	405	655				
24.	Tollage on boats ..	2,271-6-3	1,122-4-0	3,393-10-3				
25.	Compounded tollage on boats Rs.	0 5-6	...	0-5-6				
26.	Tollage on rafts ..	1-14-0	4-12-6	6-10-6				
27.	Total tollage on boats per ton-mile Rs.	...	...	0-0-3-3				
28.	Total tollage on rafts per 100 cubic feet Rs.	...	...	1-3-7				
					1. Balance not recovered on the 1st of the month ...	1,636 12 9		
					2. Tollage per month ...	3,400 10 3		
					3. Total ...	5,037 7 0		
					4. Amount paid into treasury during the month	2,298 0 3		
					5. Balance due at the end of the month	2,739 6 9		

SONE CIRCLE.
PATNA CANAL SYSTEM.
LENGTH OF CANAL OPEN, 86½ MILES.

Number of boats Rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
14	1. Grain ..	.....	134	134	7,953	134	7,953	
...	2. Cotton ...	.....	.....	.....	...	...	...
17	3. Oilseeds ...	.....	250	250	25,704	250	25,704	
3	4. Salt ...	75	.....	75	6,870	75	6,870	
21	5. Piece-goods ...	144	2	146	25,640	146	25,640	
...	6. Metal ...	8	1	9	17,030	9	17,030	
25	7. Building materials	100	114	214	1,830	95	1,255	
37	8. Miscellaneous ...	96	92	188	41,784	185	41,774	
...	9. Fuel rafts	.....	271	271	1,600	271	1,600	
13	10. Timber { boat	147	...	147	6,072	1	180	
...	rafts	...	167	167	1,975	167	1,975	
2	11. Bamboos { boat	24	.....	24	450	24	450	
...	rafts	.....	326	326	4,582	326	4,582	
132	12. Total ...	594	1,357	1,951	1,41,490	1,683	1,35,013	
146	13. Total of same month last year ...	421	1,151	1,572	1,08,338	1,176	1,07,761	
		Up.	Down.	Total.				Rs. A. P.
Total number of boats plying cargo No.		58	74	132	Total tollage of month— 24 + 25 + 26 ...			1,561 8 9
Total number of boats plying passenger No.		6	8	14				
Ditto empty ditto "		48	18	66	Total tollage of same month last year ...			1,321 13 3
Total registered tonnage, cargo Tons		889	951	1,840				
Total registered tonnage, passenger Tons		150	208	358				
Ditto empty boats "		246	107	353	Memorandum of Tollage.			
Ton-mileage ...		80,003	1,03,635	1,83,638				Rs. A. P.
Estimated value of cargo Rs.		47,219	86,114	1,33,333	1. Balance not recovered on the 1st of the month ...			317 13 4
Number of passengers ...		397	406	803	2. Tollage per month ...			1,561 8 9
Rafts, bamboos C. ft.		.....	48,897	48,897				
Do., bullahs "		.....	32,827	32,827				
Estimated value of rafts Rs.		.....	8,157	8,157	3. Total ...			1,879 6 1
Tollage on boats "		538-3-0	580-1-3	1,118-4-3				
Compounded tollage on boats Rs.		75-0-0	75-0-0	150-0-0				
Tollage on rafts "		.....	293-4-6	293-4-6	4. Amount credited in the accounts of the month ...			1,479 11 9
Total tollage on boats per ton-mile Rs.		.....	.....	0-0-1-3				
Total tollage on rafts per 100 cubic feet Rs.		.....	.....	0-5-8	5. Balance due at the end of the month ...			399 10 4

SONE CIRCLE.
ARRAH CANAL SYSTEM.
LENGTH OF CANAL OPEN, 65 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.		Tons.	Rupees.	
8	1. Grain ...	.....	169	169	13,833	169	13,833	
...	2. Cotton ...	.....	.....	.....	.....	...	.....
6	3. Oilseeds ...	.....	142	142	15,990	142	15,990	
10	4. Salt ...	109	...	109	16,730	109	16,730	
...	5. Piece-goods ...	14	1	15	20,400	15	20,400	
...	6. Metal ...	1	2	3	26,200	3	36,200	
8	7. Building materials ...	.....	71	71	91	60	51	
92	8. Miscellaneous ...	125	596	721	19,019	163	18,611	
10	9. Fuel ...	160	.....	160	1,650	...	...
...	10. Timber ...	.....	.....	.....	.....	.....	.....
Rafts. }	Bullahs ...	.....	231	231	1,099	231	1,099	
	11. Bamboos ...	.....	134	134	1,300	134	1,300	
	Firewood ...	.....	623	623	2,913	623	2,913	
134	12. Total ...	409	1,969	2,378	1,19,225	1,649	1,27,127	
146	13. Total of same month last year.	464	1,471	1,935	1,56,932	1,477	1,54,234	
		Up.	Down.	Total.			Rs. A. P.	
14.	Total number of boats plying cargo No.	27	107	134	Total tollage of month— 24 + 25 + 26 ...		1,353 15	
15.	Total number of boats plying passenger No.	1	1	2	Total tollage of same month last year ...		1,272 2	
15½.	Total number of empty boats No.	92	11	103				
16.	Total registered tonnage, cargo Tons	605	1,612	2,217				
17.	Total registered tonnage, passenger Tons	43	46	89	Memorandum of Tollage.			
17½.	Total registered tonnage, empty Tons	393	50	443				
18.	Ton-mileage ...	44,047	77,260	121,307				
19.	Estimated value of cargo Rs.	62,536	61,377	1,23,913	1. Balance not recovered on the 1st of the month ...		236 4	
20.	Number of passengers ...	564	624	1,188	2. Tollage per month ...		1,353 15	
21.	Rafts, bamboos C.ft.	.....	20,230	20,230				
22.	Do., bullahs "	.....	17,318	17,318				
22½.	Do., firewood "	.....	46,750	46,750				
23.	Estimated value of rafts Rs.	.....	5,312	5,312	3. Total ...		1,590 4	
24.	Tollage on boats "	297-8-9	429-11-0	727-3-9	4. Amount credited in the accounts of the month ...		1,210 3	
25.	Compounded tollage on boats Rs.	228-0-0	228-0-0	456-0-0				
26.	Tollage on rafts "	.....	170-11-9	170-11-9				
27.	Total tollage on boats per ton-mile Rs.	.....	.....	0-0-1-87	5. Balance due at the end of the month ...		380 0	
28.	Total tollage on rafts per 100 cubic feet Rs.	.....	.....	0-3-2				

BUXAR CANAL SYSTEM.

LENGTH OF CANAL OPEN, 67 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
7 16 8 Rafts	1. Grain	179	179	14,365	179	14,365	
	2. Cotton ...	2	1	3	4,960	3	4,960	
	3. Oilseeds ...	1	161	162	18,455	162	18,455	
	4. Salt ...	.....	.....	.....	.....	.....	.....
	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
	6. Metal ...	1	1	2	3,150	2	3,150	
	7. Building materials ...	42	165	207	1,430	56	80	
	8. Miscellaneous ...	4	94	98	6,978	98	6,978	
	9. Fuel ...	.....	.....	.....	.....	.....	.....
	10. Timber ...	.....	2	2	100	2	100
	11. Bamboos ...	.....	209	209	4,585	209	4,585
40	12. Total ...	50	812	862	54,023	711	52,673	
55	13. Total of same month last year.	103	789	892	68,492	811	66,868	
		Up.	Down.	Total.			Rs. A. P.	
14.	Total number of boats plying cargo No.	4	36	40	Total tollage of month— 24 + 25 + 26 ...		534 5	
15.	Total number of boats plying passenger No.	6	7	13				
15½.	Ditto empty "	30	11	41				
16.	Total registered tonnage, cargo Tons	64	1,004	1,068	Total tollage of same month last year ...		518 12	
17.	Total registered tonnage, passenger Tons	162	168	330				
17½.	Ditto empty "	112	45	157				
18.	Ten-mileage ...	9,635	16,429	26,064	Memorandum of Tollage.			
19.	Estimated value of cargo Rs.	8,404	40,934	49,338			Rs. A. P.	
20.	Number of passengers ...	316	372½	688½	1. Balance not recovered on the 1st of the month ...		1 11	
21.	Rafts, bamboos C. ft.	.....	31,305	31,305	2. Tollage per month ...		
22.	Do., bullahs "	.....	146	146	3. Total ...		
23.	Estimated value of rafts Rs.	.....	4,685	4,685	4. Amount credited in the accounts of the month ...		474 10 3
24.	Tollage on boats "	73-5-9	122-0-0	195-5-9	5. Balance due at the end of the month ...			
25.	Compounded tollage on boats Rs.	107-0-0	107-0-0	214-0-0			61 6 3	
26.	Tollage on rafts "	.....	124-15-6	124-15-6			
27.	Total tollage on boats per ton-mile Rs.	.....	.....	0-0-3			
28.	Total tollage on rafts per 100 cubic feet Rs.	.....	.....	0-6-4			

**ABSTRACT FOR THE MONTH OF DECEMBER 1889 AS COMPARED WITH THE
CORRESPONDING MONTH OF THE PREVIOUS YEAR.**

CANAL.	TRAFFIC, 1889-90.			TRAFFIC, 1888-89.			REMARKS.
	During the month.		To end of the month.	During the month.		To end of the month.	
<i>Orissa Circle.</i>	Rs.	A.	P.	Rs.	A.	P.	
Taldunda Canal System ...	140	12	6	2,881	11	1	413 12 9 1,821 13 6
Kendrapara Canal System ...	5,939	13	6	36,440	11	1	4,932 2 5 34,358 5 6
High Level, Range I ...	707	8	9	5,232	9	4	445 14 0 4,270 13 6
Ditto " II ...	184	4	9	2,112	12	0	149 13 6 1,754 15 0
Ditto " III ...	53	9	6	976	2	9	38 3 6 803 7 0
Jajepore Canal ...	13	14	3	80	1	11	9 7 11 57 14 9
Total Orissa Circle ...	7,039	15	3	47,674	0	2	5,989 6 1 43,067 5 3
<i>South-Western Circle.</i>							
Midnapore Canal ...	10,882	15	0	1,06,162	11	6	13,272 0 3 1,01,349 7 9
Hidgellee Tidal Canal ...	3,400	10	3	36,821	5	9	2,371 3 6 44,701 5 0
Total South-Western Circle ...	14,283	9	3	1,42,984	1	3	15,643 3 9 1,46,050 12 9
<i>Sone Circle.</i>							
Patna Canal System ...	1,561	8	9	18,294	7	9	1,321 13 3 19,370 14 9
Arrah ditto ...	1,353	15	6	13,806	14	8	1,272 2 9 14,949 2 2
Buxar ditto ...	534	5	3	5,268	5	8	518 12 0 6,775 11 6
Total Sone Circle ...	3,449	13	6	37,369	12	1	3,112 12 0 41,095 12 5
GRAND TOTAL ...	24,773	6	0	2,28,027	13	6	24,745 5 10 2,30,213 14 5

GOVERNMENT TRANSPORT SERVICE.

CANAL.	TRAFFIC, 1889-90.						TRAFFIC, 1888-89.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.
<i>Orissa Circle.</i>	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
High Level ...	928	1,061	1,009 10 3	5,549	5,867	7,115 4 6	517	759	525 10 10	3,711	2,722	4,127 7 5
Total Orissa Circle ...	928	1,061	1,009 10 3	5,549	5,867	7,115 4 6	517	759	525 10 10	3,711	2,722	4,127 7 5

TOTAL NAVIGATION RECEIPTS.

CANAL.	EARNINGS, 1889-90.			EARNINGS, 1888-89.			REMARKS.
	During the month.		To end of the month.	During the month.		To end of the month.	
	Rs.	A.	P.	Rs.	A.	P.	
Orissa Canals ...	8,049	9	6	54,789	4	8	6,515 0 11 47,194 12 5
Midnapore Canal ...	10,882	15	0	1,06,162	11	6	13,272 0 3 1,01,349 7 9
Hidgellee Tidal Canal ...	3,400	10	3	36,821	5	9	2,371 3 6 44,701 5 0
Sone Canals ...	3,449	13	6	37,369	12	1	3,112 12 0 41,095 12 5
Total ...	25,783	0	3	2,35,143	2	0	25,271 0 8 2,34,341 5 7

CALCUTTA,
The 18th March 1890.

G. A. G. SHAW,
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS.

Statement showing quantities of Goods carried during the month of January 1890.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
790	1. Grain ...	2,265	4,220	6,485	3,79,224	6,485	3,79,224	* 15 Maunds passed up on Matabhang river.
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
11	3. Oilseeds ...	.....	125	125	16,100	125	16,100
233	4. Salt ...	2,069	.....	2,069	1,76,962	2,069	1,76,962
...	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
21	6. Metal* ...	89.44	11	100.44	62,175	100.44	62,175	
13	7. Building materials ...	92	31.63	123.63	3,162	123.63	3,162	
882	8. Miscellaneous ...	2,356	6,18.63	8,530.63	12,86,235	8,530.63	12,86,235	
79	9. Fuel ...	864	132	996	2,925	996	2,925	
Rafts 108	10. Timber ...	880 c. ft.	33,400 c. ft.	34,280 c. ft.	1,01,520	34,280 c. ft.	1,01,520	
Raft 1	11. Bamboos ...	10 „	.....	10 „	6	10 „	6
2,029 & 100 rafts.	12. Total ...	{ 7,729.44 & 890 c. ft.	{ 10,700.26 & 33,490 c. ft.	{ 18,429.70 & 34,290 c. ft.	{ 20,28,309	{ 18,429.70 & 34,290 c. ft.	{ 20,28,309	
1,054 & 44 rafts.	13. Total of same month last year	{ 7,463 & 241 c. ft.	{ 10,931 & 10,905 c. ft.	{ 18,394 & 11,146 c. ft.	{ 24,61,059	{ 18,394 & 11,146 c. ft.	{ 24,61,059	

	Up.	Down.	Total.		Rs. A. P.
14. Total number of boats plying cargo No.	1,049	980	2,029	Total tollage of month—24+25+26 ...	10,462 1 0
14a. Empty boats, steamers &c. No.	423	237	660	Total tollage of same month last year ...	10,053 5 0
15. Total number of boats plying passenger No.	589	621	1,210	<i>Memorandum of Tollage.</i>	
15a. Ditto empty boats „	25	15	40		
16. Total registered tonnage, cargo Tons	20,277	21,839	42,116	1. Balance not recovered on the 1st of the month ...	Rs. A. P. 457 1 6
17. Total registered tonnage, passenger Tons	291	226	517	2. Tollage per month ...	10,462 1 0
18. Ton-mileage	.....	.....	.....	3. Total ...	10,919 2 6
19. Estimated value of cargo Rs.	8,12,026	11,14,757	19,26,783	4. Amount paid into treasury during the month ...	10,569 15 0
20. Number of passengers No.	2,135	1,738	3,873	5. Balance due at the end of the month ...	349 3 6
21. Rafts, bamboos C. ft.	10	.....	10		
22. Do., bullahs „	880	33,400	34,280		
23. Estimated value of rafts Rs.	1,326	1,00,200	1,01,526		
24. Tollage on boats „	4,430-3-6	5,399-8-0	9,829-11-6		
25. Compounded tollage on boats Rs.	.....	.....	.....
26. Tollage on rafts „	6-1-6	626-4-0	632-5-6		
27. Total tollage on boats per ton-mile* ...	.....	.....	.....
28. Total tollage on rafts per 100 cubic feet ...	.....	.....	1-13-6		

* Boats in these rivers do not pay per mile.

Abstract for the month of January 1890 as compared with the corresponding month of the previous year.

	1889-90.		1888-89.	
	During the month.	To end of the month.	During the month.	To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Tollage ...	10,462 1 0	1,67,874 12 9	10,053 5 0	1,75,687 1 2

CALCUTTA,
The 18th March 1890.G. A. G. SHAW, E.
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

ORISSA COAST CANAL SYSTEM.

LENGTH OF CANAL OPEN, 97½ MILES.

Statement showing quantities of Goods carried during the month of January 1890.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
295	1. Grain ...	2,439	616	3,055	1,25,307	3,055	1,25,307	
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
2	3. Oilseeds ...	5	.....	5	460	5	460	
24	4. Salt ...	.....	196	196	22,300	196	22,300	
7	5. Piece-goods ...	.....	34	34	6,800	34	6,800	
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
15	7. Building materials ...	6	70	76	707	37	517	
845	8. Miscellaneous ...	287	480	767	73,087	737	71,367	
17	9. Fuel ...	21	131	152	1,374	116	1,124	
rafts 5	10. Timber ...	482 c. ft.	130 c. ft.	612 c. ft.	574	612 c. ft.	574	
" 15	11. Bamboos ...	275 "	225 "	500 "	91	500 "	91	
1,205 } 20rafts }	12. Total ...	2,758 & 757 c. ft.	1,527 & 355 c. ft.	4,285 & 1,112 c. ft.	2,30,700	4,180 & 1,112 c. ft.	2,28,540	
1,598 } 28rafts }	13. Total of same month last year	3,929 & 1,119 c. ft.	1,190 & 770 c. ft.	5,119 & 1,889 c. ft.	2,42,252	4,920 & 1,889 c. ft.	2,40,524	
		Up.	Down.	Total.				
14. Total number of boats plying cargo No.		546	659	1,205	Total tollage of month—			Rs. A.
15. Total number of boats plying passenger No.		80	89	169	24+25+26 ...			6,158 7
16. Total registered tonnage, cargo Tons		5,817	4,808	10,625	Total tollage of same month last year ...			7,140 2
17. Total registered tonnage, passenger Tons		831	954	1,785	Memorandum of Tollage.			
18. Ton-mileage ...		179,890	170,147	350,037				
19. Estimated value of cargo Rs.		126,030	1,04,005	2,30,035				
20. Number of passengers No.		2,009	2,987	4,996				
21. Rafts, bamboos C. ft.		275	225	500				
22. Do., bullahs "		482	130	612				
23. Estimated value of rafts Rs.		490	175	665				
24. Tollage on boats "		3,153-10-6	2,981-11-3	6,135-5-9				
25. Compounded tollage on boats Rs.		.....	.....	.....	
26. Tollage on rafts "		21-15-0	1-3-0	23-2-0				
27. Total tollage on boats per ton-mile Rs.		.....	.....	0-0-3-3				
28. Total tollage on rafts per 100 cubic feet Rs.		.....	.....	2-1-3				
					1. Balance not recovered on the 1st of the month			Rs. A. T.
					2. Tollage per month ...			6,511 9
					3. Total ...			6,158 7
					4. Amount paid into treasury during the month			12,670 1
					5. Balance due at the end of the month			7,988 4
								4,681 12

Abstract for the month of January 1890 as compared with the corresponding month of the previous year.

	1889-90.		1888-89.	
	During the month.		During the month.	
	To end of the month.	To end of the month.	To end of the month.	To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Tollage ...	6,158 7 9	49,392 0 9	7,140 2 0	53,159 14 0

CALCUTTA,
The 18th March 1890.G. A. G. SHAW, E.
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS.

Statement showing quantities of Goods carried during the month of January 1890.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
1,922	1. Grain ...	38,071	74	38,145	37,145	37,14,607	* For details, see next page.
1	2. Cotton ...	14	.....	14	14	7,200	
10	3. Oilseeds ...	123	27	150	150	19,650	
837	4. Salt ...	483	6,154	6,637	6,637	6,50,387	
.....	5. Piece-goods ...	.....	.....	.....	.....	.....
15	6. Metal ...	31	29	60	60	29,850	
116	7. Building materials ...	1,604	138	1,742	1,742	20,696	
2,704	8. Miscellaneous* ...	26,341	1,839	28,180	28,180	35,60,655	
509	9. Fuel ...	10,143	3,706	13,849	13,849	1,05,750	
...	10. Timber ...	.....	.....	.....	.....	.....
...	11. Bamboos ...	.....	.....	.....	.....	.....
5,614	12. Total ...	76,810	11,967	88,777	88,777	81,08,795	* For details, see next page.
6,735	13. Total of same month last year.	92,503	9,177	101,680	101,680	91,60,970	
		Up.	Down.	Total.			
14. Total number of boats plying cargo	No.	5,012	602	5,614	Total tollage of month— 24+25+26 ...		Rs. A. P. 55,492 0 9
14a. Do. empty boats	"	2,853	1,495	4,348			
15. Total number of boats plying passenger	No.	396	6	402	Total tollage of same month last year ...		62,571 4 9
16. Total registered tonnage, cargo	Tons	215,722	36,978	2,52,700	<i>Memorandum of Tollage.</i>		
17. Total registered tonnage, passenger	Tons	837	15	852			
18. Ton-mileage	...	18,95,060	3,69,780	22,64,840	Rs. A. P.		
19. Estimated value of cargo	Rs.	72,21,304	8,87,491	81,08,795	1. Balance not recovered on the 1st of the month ...		
20. Number of passengers	No.	1,346	36	1,382	1,128 7 9		
21. Rafts, bamboos	C. ft.	...	.....	.....	2. Tollage per month ...		
22. Do., bullahs	"	...	.....	.....	55,492 0 9		
23. Estimated value of rafts	Rs.	.....	.....	.....	3. Total ...		
24. Tollage on boats	"	46,428-5-9	9,063-11-0	55,492-0-9	56,620 8 6		
25. Compounded tollage on boats	Rs.	.....	.....	.....	4. Amount paid into treasury during the month ...		
26. Tollage on rafts	"	.....	.....	.....	54,328 7 0		
27. Total tollage on boats per ton-mile	Rs.	.....	.....	C-0-4-70			
28. Total tollage on rafts per 100 cubic feet	Rs.	.....	.....	.....	5. Balance due at the end of the month ...		
					2,292 1 6		

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).
CALCUTTA AND EASTERN CANALS.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupess.	Tons.	Rupess.	
949	(a) Jute ...	22,132	62	22,194	28,01,412	22,194	28,01,412	
91	(b) Jaggery ...	545	.....	545	53,375	545	53,375	
1	(c) Sugar ...	.....	14	14	3,200	14	3,200	
1	(d) Tobacco ...	16	.....	16	3,150	16	3,150	
911	(e) Fish ...	259	.....	259	72,539	259	72,539	
16	(f) Hides ...	23	.....	23	5,270	23	5,270	
43	(g) Poultry ...	9	.....	9	7,209	9	7,209	
123	(h) Hay and straw ...	648	.....	648	9,080	648	9,080	
81	(i) Oil ...	18	1,249	1,267	1,77,425	1,267	1,77,425	
37	(k) Earthenware ...	74	15	89	1,245	89	1,245	
451	(m) Other miscella- neous ...	2,617	499	3,116	4,26,750	3,116	4,26,750	
2,704	Total Miscellaneous...	26,341	1,839	28,180	35,60,655	28,180	35,60,655	

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.
SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing quantities of Goods carried during the month of January 1890.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
6,584	1. Grain ...	15,894	2	15,896	14,21,599	15,896	14,21,599	* For details, see next page.
5	2. Cotton ...	25	.....	25	12,600	25	12,600
9	3. Oilseeds ...	164	.....	164	20,425	164	20,425
76	4. Salt ...	575	366	941	92,225	941	92,225	
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
223	7. Building materials ...	2,286	.....	2,286	9,706	2,286	9,706
1,184	8. Miscellaneous* ...	3,811	123	3,934	3,94,880	3,934	3,94,880	
146	9. Fuel ...	2,210	52	2,262	17,638	2,262	17,638	
raft.	10. Timber ...	3,191 c. ft.	.....	3,191 c. ft.	7,977	3,191 c. ft.	7,977
rafts.	11. Bamboos ...	64 „	.....	64 „	11	64 „	11
8,227 & 9 rafts.	12. Total ...	{ 24,965 & 3,255 c. ft	543	{ 25,508 & 3,255 c. ft. }	19,77,061 {	{ 25,508 & 3,255 c. ft.	{ 19,77,061	
8,025 & 9 rafts.	13. Total of same month last year ...	{ 29,798 & 461 c.ft.	676	{ 30,474 & 461 c. ft. }	21,25,081 {	{ 30,474 & 461 c.ft. }	21,25,081	

	Up.	Down.	Total.		Rs. A. P.
Total number of boats plying cargo ... No.	8,146	81	8,227	Total tollage of month—24+25+26 ...	14,200 13 0
Do. empty boats ...	1,406	255	1,661		
Total number of boats plying passenger ... No.	592	24	616	Total tollage of same month last year ...	16,389 4 6
Total registered tonnage, cargo ... Tons	74,438	2,878	77,316	<i>Memorandum of Tollage.</i>	
Total registered tonnage, passenger ... Tons	1,574	135	1,709		Rs. A. P.
Ton-mileage ...	7,38,021	46,048	7,84,069	1. Balance not recovered on the 1st of the month ...	392 13 6
Estimated value of cargo Rs.	19,18,181	50,892	19,69,073	2. Tollage per month ...	14,200 13 0
Number of passengers No.	4,503	331	4,834		
Rafts, bamboos C. ft.	64	.....	64	3. Total ...	14,593 10 6
Do., bullahs "	3,191	.....	3,191		
Estimated value of rafts Rs.	7,988	.....	7,988		
Tollage on boats "	13,440-6-6	738-6-6	14,178-13-0		
Compounded tollage on boats ... Rs.	.....	.....	.....	4. Amount paid into treasury during the month ...	14,263 1 6
Tollage on rafts "	22-0-0	.....	22-0-0		
Total tollage on boats per ton-mile Rs.	.....	.....	0-0-3-47		
Total tollage on rafts per 100 cubic feet ... Rs.	.....	.....	0-10-9	5. Balance due at the end of the month ...	330 9 0

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).
TOLLY'S NULLAH.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
14	(a) Jute ...	88	12	100	12,600	100	12,600	
112	(b) Jaggery ...	670	3	673	65,975	673	65,975	
.....	(c) Sugar ...	.....	.....	.....	.....	.....	.....
7	(d) Tobacco ...	69	9	78	15,400	78	15,400	
257	(e) Fish ...	33	4	37	10,395	37	10,395	
.....	(f) Hides ...	.....	.....	.....	.....	.....	.....
2	(g) Poultry ...	1	.....	1	128	1	128	
.....	(h) Hay and straw...	.....	.....	.....	.....	.....	.....
52	(j) Oil ...	510	12	522	73,125	522	73,125	
117	(k) Earthenware ...	104	19	123	1,718	123	1,718	
623	(m) Other miscellane- ous.	2,336	64	2,400	2,15,539	2,400	2,15,539	
1,184	Total Miscellaneous...	3,811	123	3,934	3,94,880	3,934	3,94,880	

ABSTRACT FOR THE MONTH OF JANUARY 1890, AS COMPARED WITH THE
CORRESPONDING MONTH OF THE PREVIOUS YEAR.

	TRAFFIC, 1889-90.			TRAFFIC, 1888-89.		
	During the month.		To end of the month.	During the month.		To end of the month.
	Rs.	A. P.	Rs. A. P.	Rs.	A. P.	Rs. A. P.
Calcutta and Eastern Canals ...	55,492	0 9	2,90,826 2 3	62,511	4 9	3,43,225 8 3
Tolly's Nullah ...	14,200	13 0	81,574 1 9	16,389	4 6	1,09,229 8 6
Total ...	69,692	13 9	3,72,400 4 0	78,960	9 3	4,52,455 0 3

CALCUTTA,
The 18th March 1890.

G. A. G. SHAW, E.
Under-Secretary to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 15th March 1890,
as compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 15TH MARCH 1890.			WEEK ENDING SATURDAY, THE 16TH MARCH 1889.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	1,079	1,96,925	3,139	695	1,93,615	3,421
Jute ...	83	64,425	1,155	53	37,350	649
Firewood ...	109	63,600	966	171	97,010	1,459
Other articles ...	902	2,70,195	3,954	1,006	2,43,960	3,978
Total ...	2,173	5,95,145	9,214	1,925	5,71,935	9,507

*Statement of Goods Traffic in Staples carried during the three weeks and four days ended 25th January 1890,
as compared with the same period of 1889.*

STAPLES.		1890.		1889.		Increase.		Decrease.	
		Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
ANIMALS, LIVING	Horses, ponies, and mules	No. 303	7,369	No. 215	6,315	No. 90	1,047	No.	
	Cattle	280	681	94	612	183	69		
	Sheep and goats	3,352	3,071	2,400	2,134	862	937		
	Other kinds			3	683			3	
BORAX		6,815	5,158	4,088	3,075	2,729	2,083		
CANES AND RATANS		65	120	67	124			2	
CAOUTCHOUC (Indian-rubber)									
CHINESE AND JAPANESE WARE		34	31	39	32			5	
COAL AND COKE, UP		8,26,059	2,34,008	7,16,009	2,41,428	1,13,500			
Ditto, down		21,29,436	3,01,048	27,65,806	3,78,898			4,36,370	
COTTON, RAW		2,57,068	1,71,463	2,05,293	1,56,186	52,313	15,267		
COTTON, MANUFACTURED.	Twist and yarn (European)	6,807	8,851	7,287	9,194			400	
	Ditto (Indian)	10,522	5,638	12,815	8,621			2,233	
	Piece-goods (European)	70,787	79,723	1,07,982	1,22,578			28,195	
	Ditto (Indian)	22,043	13,407	22,781	14,769			738	
DRUGS AND MEDICINES.	Asafoetida	118	95	423	232			305	
	Other sorts, not intoxicating	1,701	1,580	2,249	1,916			458	
	Intoxicating drugs (other than opium, i.e., arsenic, bhang, ganja, and charas, &c.)	1,123	724	1,312	1,382			687	
DYEING MATERIALS.	Indigo	5,643	5,204	6,459	8,397			2,816	
	Madder or manjit	146	13	75	15	70	15		
	Safflower	231	204	177	187	54	17		
EARTHENWARE AND PORCELAIN	Turmeric	7,873	4,239	6,829	3,518	1,053	721		
	Other kinds	10,358	8,951	16,035	6,734			5,677	
FIBROUS PRODUCTS.	Jute, raw	554	796	450	615	164	181		
	Do., manufactured (gunny-bags and cloths)	60,008	11,939	59,447	7,462	561	4,477		
	Do., manufactured (gunny-bags and cloths)	58,267	23,930	59,717	29,814			1,450	
FRUITS & NUTS	Other fibres, raw	22,935	6,351	31,456	10,437			8,531	
	Ditto, manufactured	3,507	1,550	1,108	409	2,599	1,150		
GRAIN & PULSES	Cocoanuts	4,933	2,948	6,323	3,215			370	
	All other kinds	37,232	18,970	37,241	24,636			19	
	Wheat	1,21,908	35,768	1,63,138	53,818	1,950	41,230		
	Gram and pulses	2,40,467	60,547	2,32,467	51,207	17,000	9,340		
GOVERNMENT STORES	Rice, husked	6,09,674	1,08,778	10,14,294	2,37,988			3,44,620	
	Do., unhusked	8,663	2,716	33,653	4,526			23,990	
	Other rain and spring crops	1,14,426	22,271	1,32,186	21,121			17,760	
GUMS AND RESINS		22,175	31,669	19,789	23,612	2,386	12,057		
		3,901	3,353	3,530	1,977	371	876		
HIDES & SKINS	Hides of cattle	53,673	39,067	71,293	50,339			17,620	
	Skins of sheep, goats, and small animals	11,944							
HORNS		1,732	1,341	1,221	7,715			6,022	
		288	154	310	155	511	764		
LAC	Lac, dye	14,313	11,334	15,857	13,627			1,514	
	Do., stick and other kinds	23,980	6,564	41,308	13,255			17,328	
LEATHER	Leather, unmanufactured	2,041	3,988	2,396	4,480			355	
	Ditto, manufactured	2,072	3,483	2,572	4,115			500	
LIQUORS		13,610	12,838	14,366	12,424			766	
		433	197	506	195	2	53		
METALS AND MANUFACTURED OF.	Brass and copper	1,71,832	21,615	1,12,163	19,338	59,673	3,277		
	Iron	26,972	17,821	17,461	10,505	9,511	7,316		
OILS		90,576	52,861	86,182	55,257	4,394		2,36	
		3,423	3,214	3,051	2,679	392	635		
OPPIUM		81,925	44,452	54,215	26,099	27,710	18,226		
		36,505	40,018	48,818	49,152			10,313	
PAINTS AND COLOURS		20,532	2,637	2,804	2,006	17,738	31		
		30,837	20,426	30,540	16,704	317	3,779		
PROVISIONS	Ghee	6,937	6,049	6,167	6,494			645	
	Other kinds	1,20,785	3,113	84,718	1,820	35,567	1,253		
RAILWAY MATERIALS.	Construction Account	1,11,096	41,861	84,790	33,563	28,906	8,298		
	Ditto ditto, Foreign	6,71,744	71,863	4,75,477	89,070			2,792	
SALT		62,003	20,516	60,016	27,854			1,682	
		9,615	8,117	6,989	1,920	2,526		3,923	
SALTPETRE, &C.	Saltpetre	197	10,733	1,63,673	52,313			97,920	
	Other saline substances	95,004	22,452	89,014	6,850	2,770			
SEEDS	Mustard and rape	66,784	15,935	7,344	5,825	39,340	13,110		
	Til or gingelly	23,370	5,495	34,710	9,158			10,940	
	Other oilseeds	1,38,703	48,041	1,21,173	37,401	17,530	10,640		
	Indigo seed								
SILK	Tea seed	50,434	15,546	35,744	11,056	11,690	4,490		
	Other kinds	3,463	2,233	1,857	1,361	1,036	872		
SILK	Silk, raw	8	92	26	97			18	
	Do., manufactured (European)	860	391	805	385	55	6		
SPICES	Do., ditto (Indian)	20,615	18,243	8,821	5,151	17,794	13,092		
		1,30,876	13,649	1,34,633	19,501			3,759	
SUGAR	Sugar, refined	1,22,414	9,832	1,59,017	21,984			30,603	
	Do., unrefined	4,01,275	67,480	3,63,651	63,123	37,624	14,337		
TEA	Tea, Indian	1,888	1,817	1,889	2,407			301	
	Do., Foreign			7	6			7	
TOBACCO		20,605	9,659	18,158	8,833	2,447	826		
		34,659	7,154	29,904	5,397	4,755	1,757		
WOOD	Firewood	44,552	2,962	24,089	1,639	18,463	1,323		
	Wool, raw	1,619	1,412	680	482	939	930		
WOOL	Do., manufactured (European)	284	437	290	422	24			
	Wool, manufactured (Indian)	1,376	1,591	1,363	1,481	13	110		
All other articles of merchandise		2,11,271	1,24,234	2,10,638	1,29,597			7,767	
		60,824	11,161	23,747	6,156			5,005	
BONES		30,790	9,440	39,048	8,396			2,258	
POTATOES									
Total		78,31,639	20,45,757	84,14,295	22,54,360	5,52,222	1,70,137	11,34,878	3,78,740

General remarks on the fluctuations of principal staples carried over the East Indian Railway during month ended 25th January 1890.

INCREASES.

Cotton.—The increase occurred chiefly in despatches from stations on the "C" and "D" districts to Howrah and Bombay for export.

Gram and Pulses.—This was chiefly in dāl from Cawnpore to Howrah for local consumption; also in gram from Manhar and Phaphund to Agra and Benares.

Government Stores.—Chiefly in Commissariat stores from Calcutta to Rawalpindi and Quetta.

Brass and Copper.—This increase was in the unmanufactured articles from Howrah to Mirzapur and Hathras, and in utensils from Mirzapur.

Oil.—Chiefly in kerosine-oil from Howrah to Patna and other stations.

Railway Material, Foreign.—This was in rails, sleepers, and other permanent-way material despatched from Howrah to Damooda and Umballa Cantonment for the Bengal-Nagpur and Delhi-Umballa-Kalka Railways.

Spices.—The increase under this head was in chillies despatched from Mokameh and *via* Mokameh Ghât to Howrah and Burdwan, where the article was in good demand.

Sugar (refined and unrefined).—There was a decrease in refined sugar and an increase in the unrefined article or jaggree, causing a net increase, and this was due to considerable despatches from stations on the Dinapore district to Howrah due to the high price ruling in Calcutta for common sugar.

DECREASES.

Coal.—The decrease occurred in downward coal to Howrah for export. The traffic was exceptionally brisk in the corresponding period of last year.

Piece-goods, European.—Chiefly in despatches from Howrah, there having been a falling off in the up-country demand; consignments from Bombay to Cawnpore *via* Jubbulpore also fell off owing to diversion of the traffic to the Indian Midland Railway route.

Rice (husked and unhusked).—The decrease in this staple occurred almost entirely in despatches from stations on the "A" and "R" districts to up-country stations, owing to there having been a demand for rice during the corresponding period of last year.

Hides.—The falling off under this head was chiefly in despatches to Howrah, due to short supplies.

Opium.—This traffic is regulated by the Opium Department, and the decrease was entirely in consignments to Howrah.

Seeds.—The decrease was chiefly in linseed, due to stocks being quite exhausted.

N. ST. L. CARTER, *Traffic Manager.*

TRAFFIC MANAGER'S OFFICE, CALCUTTA, 11th March 1890.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 8th March 1890, on 1,525½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	258,119*	3,04,465 11 0*	26,46,182 10	6,05,505 14 0	19,183 9 0	9,28,953 2 0	66,096½	100,307½	172,454½
Or per mile of railway ...	169 9 4	199 9 4	17,346 10 0	397 12 8	12 9 2	608 15 2	.....	.....	.....
For previous 9 weeks of half-year ...	2,301,835	26,13,833 14 0	2,24,93,388 20	52,40,907 13 0	1,77,198 9 0	80,51,940 4 0	580,909	788,780	1,369,749
Total for 10 weeks ...	2,559,954	29,18,297 9 0	2,51,58,559 30	58,46,213 11 0	1,96,382 2 0	89,60,803 6 0	647,015½	898,177½	1,545,333½
COMPARISON.									
Total for corresponding week of previous year ...	300,044	3,40,553 8 2	27,61,018 0	6,06,082 14 3	16,592 4 7	9,63,228 11 0	67,832	96,211	164,063
Per mile of railway corresponding week of previous year ...	.....	223 3 10	.....	397 4 10	10 14 0	631 6 8	.....	.....	.....
Total to corresponding date of previous year ...	2,593,486½	30,29,229 10 3	2,76,10,135 0	60,24,296 2 3	1,52,898 8 9	92,66,304 5 3	630,754	959,737	1,610,491

* The decrease in coaching traffic is chiefly in 3rd class, and is apparently due to figures for the corresponding period of 1889 having included a portion of the "Sibarati" mail traffic.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 9TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 5TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 9TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 5TH MARCH 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,525½	9,63,229	631	1,525½	9,28,953	609	1,525½	4,17,46,120	558	1,525½	4,14,77,376	555	.....	2,68,74

PATNA-GYA STATE RAILWAY

Approximate Return of Traffic for week ended 8th March 1890, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	11,815	6,147 0 0	50,342 20	3,095 8 0	34 7 0	9,276 15 0	1,792	602	2,394
Or per mile of railway ...	207	107 7 5	880 10	54 1 10	0 9 8	162 2 11	.....	.....	.....
For previous 9 weeks of half-year ...	*107,786	*57,976 0 0	*3,29,901 0	*21,411 8 0	1401 4 0	79,789 2 0	15,405	5,953	21,357
Total for 10 weeks ...	119,601	64,123 6 0	3,71,243 20	24,507 0 0	435 11 0	80,066 1 0	17,197	6,554	23,751
COMPARISON.									
Total for corresponding week of previous year ...	16,457	9,791 11 7	21,701 20	1,573 14 0	77 0 6	11,442 10 1	2,125	396	2,524
Per mile of railway correspond- ing week of previous year ...	288	171 2 11	379 20	27 8 3	1 5 7	200 0 9	.....	.....	.....
Total to corresponding date of previous year ...	132,224	72,595 13 3	3,08,517 0	17,306 0 0	411 15 3	90,223 12 6	18,919	5,156	24,074

* Deducted number of passengers 1,327 and Rs. 1,105 }
 † Added maunds 5,422 and " 307 } on account of differences between the approximate and audited returns to week ended 25th January 1890.
 ‡ Deducted " 23 }

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 9TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 8TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 9TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 8TH MARCH 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
57½	Rs. 11,433	Rs. 203	57½	Rs. 9,277	Rs. 162	57½	Rs. 4,58,953	Rs. 164	57½	Rs. *4,71,158	Rs. 161	Rs. 12,175	Rs.

* Deducted Rs. 833 on account of difference between the approximate and audited figures to week ended 25th January 1890.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 8th March 1890, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	21,436	5,751 4 0	19,585 30	633 3 0	12 12 0	6,397 3 0	871	97	968
Or per mile of railway ...	.....	258 7 9	.....	28 7 4	0 9 2	287 8 3	.....	.....	.....
For previous 9 weeks of half-year ...	*153,943	*45,415 11 0	*1,21,432 30	*4,174 14 0	134 1 0	49,654 10 0	7,871	757	8,628
Total for 10 weeks ...	204,479	51,166 15 0	1,41,918 20	4,808 1 0	76 13 0	56,651 13 0	8,742	854	9,596
COMPARISON.									
Total for corresponding week of previous year ...	25,041	6,531 4 0	8,369 30	311 9 0	6 9 6	6,849 6 6	906	62	968
Per mile of railway correspond- ing week of previous year ...	.....	293 8 8	.....	14 0 0	0 4 9	307 13 5	.....	.....	.....
Total to corresponding date of previous year ...	221,440	57,531 4 0	94,653 10	3,314 5 0	64 13 3	60,910 7 0	9,013	645	9,658

* Added number of passengers 387 and Rs. 63 }
 † Ditto maunds 1,500 and " 13 } on account of differences between the approximate and audited returns to week ended 25th January 1890.
 ‡ Ditto " 2 }

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 9TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 8TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 9TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 8TH MARCH 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
22½	Rs. 6,849	Rs. 308	22½	Rs. 6,307	Rs. 289	22½	Rs. 2,67,795	Rs. 246	22½	Rs. *2,50,725	Rs. 238	Rs.	Rs. 8,067

* Added Rs. 78 on account of difference between the approximate and audited figures to week ended 25th January 1890.

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 1st March 1890, on 747 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	146,390	81,520 0 0	6,14,030 0	1,02,240 0 0	24,580 0 0	2,08,340 0 0	22,173	26,042	50,115
Or per mile of railway ...	196	109 0 0	822 0	137 0 0	*11 0 0	257 0 0	.....	.....	.....
For previous 5 weeks of half-year ...	1,201,810	6,14,310 0 0	47,15,370 0	9,09,200 0 0	1,32,230 0 0	17,15,800 0 0	174,584	248,515	423,099
Total for 9 weeks ...	1,348,100	6,95,830 0 0	53,29,400 0	10,71,500 0 0	1,56,810 0 0	19,24,140 0 0	197,757	275,457	473,214
COMPARISON.									
Total for corresponding week of previous year ...	149,377	87,544 0 0	5,71,042 0	82,729 0 0	31,300 0 0	2,01,373 0 0	22,352	23,198	45,550
Per mile of railway corresponding period of previous year ...	222	130 0 0	848 0	125 0 0	*13 0 0	266 0 0	.....	.....	.....
Total to corresponding date of previous year ...	1,291,267	7,13,851 0 0	44,26,262 0	8,29,211 0 0	1,59,871 0 0	17,92,933 0 0	192,972	228,742	421,714

* Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 2ND MARCH 1889.			RECEIPTS FOR WEEK ENDING 1ST MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 2ND MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 1ST MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
673	2,91,573	390	747	2,08,340	279	673	99,45,322	285	727	*1,06,89,220	307	7,43,898	.....

* Audited up to week ending 31st December 1889.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 1st March 1890, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	26,570	10,420 0 0	55,910 0	3,020 0 0	80 0 0	13,520 0 0	3,736	2,15	5,890
Or per mile of railway ...	213	83 0 0	471 0	24 0 0	1 0 0	108 0 0	.....	.....	.....
For previous 5 weeks of half-year ...	213,150	80,450 0 0	2,73,940 0	22,130 0 0	600 0 0	1,03,180 0 0	28,286	14,674	42,960
Total for 9 weeks ...	239,720	90,870 0 0	3,32,850 0	25,150 0 0	680 0 0	1,16,700 0 0	32,022	16,818	48,840
COMPARISON.									
Total for corresponding week of previous year ...	26,923	10,678 0 0	67,433 0	3,346 0 0	184 0 0	14,268 0 0	3,785	1,937	5,722
Per mile of railway corresponding period of previous year ...	215	86 0 0	539 0	27 0 0	1 0 0	114 0 0	.....	.....	.....
Total to corresponding date of previous year ...	242,063	57,591 0 0	4,67,240 0	22,593 0 0	4,043 0 0	1,14,527 0 0	32,625	16,886	49,511

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 2ND MARCH 1889.			RECEIPTS FOR WEEK ENDING 1ST MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 2ND MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 1ST MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	14,205	114	125	13,520	108	125	6,00,692	110	125	*6,76,151	113	15,469	.....

* Audited up to week ending 31st December 1889.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 1st March 1890, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	18,330	7,040 0 0	25,450 0	2,370 0 0	270 0 0	9,680 0 0	2,480	624	3,104
Or per mile of railway ...	213	82 0 0	308 0	28 0 0	3 0 0	113 0 0	.....	.....	.....
For previous 8 weeks of half-year ...	126,490	48,640 0 0	2,33,250 0	23,360 0 0	1,580 0 0	73,580 0 0	19,778	6,408	26,186
Total for 9 weeks ...	144,820	55,680 0 0	2,60,700 0	25,730 0 0	1,850 0 0	83,260 0 0	21,258	7,032	28,290
COMPARISON.									
Total for corresponding period of previous year ...	18,810	5,570 0 0	14,591 0	1,034 0 0	84 0 0	6,688 0 0	2,489	615	3,104
Per mile of railway corresponding period of previous year ...	219	65 0 0	166 0	12 0 0	1 0 0	78 0 0	.....	.....	.....
Total to corresponding date of previous year ...	157,871	42,400 0 0	1,07,270 0	10,640 0 0	1,446 0 0	54,576 0 0	21,670	5,804	27,476

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 2ND MARCH 1889.			RECEIPTS FOR WEEK ENDING 1ST MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO END MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 1ST MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	6,088	78	86	9,680	113	86	2,78,050	67	86	*3,68,518	80	90,468	.....

* Audited up to week ending 31st December 1889.

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 8th March 1890, on 273 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	41,246	10,420 0 0	2,59,101 0	28,818 0 0	3,323 0 0	48,561 0 0	6,023	8,236	14,259
Or per mile of railway ...	151	60 0 0	949 0	106 0 0	5 0 0	169 0 0*	.....	.....	.....
For previous 8 weeks of half-year ...	425,402	1,84,304 0 0	23,24,365 0	2,07,344 0 0	31,860 0 0	4,83,508 0 0	40,557	83,331	132,888
Total for 9 weeks ...	466,650	2,00,724 0 0	25,83,460 0	2,06,162 0 0	35,183 0 0	5,32,069 0 0	55,580	91,567	147,147
COMPARISON.									
Total for corresponding week of previous year ...	45,967	17,140 0 0	1,38,622 0	12,402 0 0	2,819 0 0	32,367 0 0	5,659	6,257	11,896
Per mile of railway corresponding week of previous year ...	168	63 0 0	509 0	45 0 0	1 0 0	109 0 0*	.....	.....	.....
Total to corresponding date of previous year ...	401,235	1,55,295 0 0	13,51,096 0	1,25,684 0 0	20,971 0 0	3,10,930 0 0	54,929	56,930	111,859

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 6TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 8TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 9TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 8TH MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
273	24,567	119	273	48,561	178	205*63	15,60,433	125	273	20,10,005	157	4,58,572	.....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.						Rs.
Approximate earnings for week ending 22nd February 1890	...	...	...	...	...	9,597
Corresponding period of 1889	...	...	...	...	...	9,021
Increase	...	...	...	...	...	576
						Rs. A. P.
Receipts per mile for week ending 22nd February 1890	...	...	...	...	...	188 2 10
Corresponding period of 1889	...	...	...	...	...	176 14 4
Increase	...	...	...	...	...	11 4 6
Receipts from 1st January to 22nd February 1890	...	...	...	...	...	59,911
Corresponding period of 1889	...	...	...	...	...	56,787
Increase	...	...	...	...	...	3,124

[REGISTERED No. 20.]

No. 13 of 1890.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MARCH 26, 1890.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 22nd March 1890.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.	
BENGAL.				
Western Districts.				
BURDWAN DIVN.	1 Burdwan March 22, '90 Ranigunge ...	0.38 0.33	Weather—getting warmer. Prospects of crops continue favourable. Sugarcane is being pressed, and wheat and barley harvested. Prices of common rice:— Burdwan Srs. 18 Culna 15 Ranigunge 19½ } per rupee.	
	2 Bankoora „ 22, '90	Nil	Weather—hot. Pressing of sugarcane still continues. Standing crops, such as cotton and <i>khusta til</i> , are doing well. Common rice selling at 21 seers per rupee at Sudder and 20 seers at Bishenpore.	
	3 Birbhum „ 22, '90 Rampore Haut ...	Nil 0.33	Weather—hot. There are now no crops to report on except wheat, which is very well. Price of common rice from 18 to 20 seers per rupee.	
	4 Midnapur „ 22, '90	0.46	Weather—seasonable. Days hot. The rain has softened the ground for ploughing operations. Indigo doing well. Prices of common rice:— Sudder Srs. 19 Contal 19 Tamluk 16 Ghatal 18 } per rupee.	
	5 Hooghly „ 22, '90 Jehanabad ...	0.34 0.32	Weather—seasonable with clouds and southerly winds. Prospects of crops good. Prices of common rice:— Sudder Srs. 12½ Serampore 16 Jehanabad 17 } per rupee.	
	Howrah „ 22, '90 Uluberia ..	Nil 0.05	Weather—days warm, but nights cool. Prospects of crops good, but rain wanted.	
	Central Districts.			
	6 24-Perghs. March 22, '90	Nil	Weather—dry and hot. Prospects good on the whole, but rain is wanted for the benefit of such crops as there are on the ground, especially <i>boro</i> rice in the Diamond Harbour subdivision. Lands are being prepared for <i>aus</i> rice in parts of the district. Price of common rice 14 to 15 seers per rupee.	
	7 Nuddes „ 22, '90 Kooshtes ...	Nil 0.22	Weather—cloudy. Harvesting of wheat, barley, gram, linseed, <i>masuri</i> , and sugarcane going on. Ploughing for early rice begun. Rain needed.	
	8 Khoolna „ 22, '90	0.05	Weather—seasonable. Condition of <i>boro</i> and <i>rubbi</i> crops good, but some rain wanted.	
	9 Jessore „ 22, '90	Nil	Weather—hot and cloudy. Rain wanted for cultivation. Harvesting of <i>rubbi</i> crops nearly over. Outturn good in Jhenidah and Bongong, but below the average in Magura and Narail.	
	10 Moorshedabad „ 22, '90 Kandi ...	Nil 0.85	Weather—getting hot. Harvesting of <i>rubbi</i> progressing favourably.	
	11 Dinagepur „ 22, '90	Nil	No rain, but clouds floating about. Strong wind prevails. Weather rather hot. Ploughing for <i>bhadoi</i> going on. Sowing of jute and planting of sugarcane cuttings commenced. Prices stationary.	
	12 Rajshahye „ 22, '90 Nattore ... Nowgong ...	Nil 0.02 0.10	Weather—getting very hot every day. Rain much wanted. Tobacco is yielding only an 8-anna outturn all round. <i>Rubbi</i> crops giving a fair return, about 12 annas. Agricultural operations retarded for want of rain.	
	13 Rungpur „ 22, '90	0.04	Storms of wind and rain on the 20th, but their incidence was partial. The rain of the 20th and 21st has done great good where it has fallen in sufficient quantity. <i>Aus</i> rice and jute sowings are progressing rapidly. More general rain is urgently wanted or a drought must occur.	
	RAJSHAHYE DIVN.	14 Bogra „ 22, '90 Nowkhilla ...	0.81 1.54	Weather—seasonable. Sowing of <i>aus</i> and other early crops has commenced. State of standing crops good. <i>Khesari</i> , <i>masur</i> , and <i>cheena</i> being reaped. Sugarcane being cut. Common rice selling at 18 seers per rupee.
		15 Pubna „ 22, '90	0.43	Local showers in many places. <i>Cheena</i> and <i>kaon</i> crops and ploughing operations benefited by the rain. Prices somewhat high.
16 Darjeeling „ 22, '90		0.06	Weather—getting daily warmer. Wheat and barley doing well. Prospects generally good.	
17 Julpigoree „ 22, '90		Nil	Weather—getting hot. High west wind prevailing. Land for <i>bhadoi</i> crops being prepared. Rain wanted. Winter crops being reaped; average outturn expected. No significant change in prices of food-grains.	

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.				
	Eastern Districts.			
Dacca Divn.	18	Dacca March 22, '90	2.52	Weather—warm during the day time. Heavy rain in the Sudder subdivision. Cutting of sugarcane and pulses nearly finished. Rain has done good to <i>boro</i> paddy and other standing crops. Sowing of jute and <i>aus</i> paddy going on. Podder is available. Common rice 13 to 16 seers per rupee.
	19	Furreedpur „ 22, '90	2.33	Weather—seasonable. Rain has improved the condition of the standing crops. Land is being sown with <i>aus</i> and jute. Prices of common rice:— <div style="display: flex; align-items: center; justify-content: center;"><div style="margin-right: 10px;"><div>Sudder</div><div>Goalundo</div><div>Madaripur</div></div><div style="margin-right: 10px;">...</div><div style="margin-right: 10px;">...</div><div style="margin-right: 10px;">...</div><div style="margin-right: 10px;">14</div><div style="margin-right: 10px;">16</div><div style="margin-right: 10px;">15</div></div> <div style="margin-left: 10px;">} per rupee.</div>
	20	Backergunge „ 22, '90	0.32	Weather—hot and cloudy with occasional thunderstorms. Prospects of <i>rubbi</i> crops fair. Rice selling at 13 seers per rupee.
	21	Mymensingh „ 22, '90	2.16	Weather—seasonable. Heavy rain on the 17th and 19th. Rain of the 17th was accompanied by hail. Prospects of crops good. Rain has done much good to crops, and has facilitated cultivation. Common rice sells at 13½ seers per rupee.
	22	Chittagong „ 22, '90	2.22	Weather—seasonable. No agricultural operations going on at present. State of chillies fair. Common rice selling at 17 seers per rupee.
Chittagong Divn.	23	Noakholly „ 22, '90	3.06	Weather—cloudy and rainy. Harvesting of <i>rubbi</i> crops nearly completed. Preparation of soil for <i>aus</i> progressing. Rain has done much good. Hail did some damage in Sundip.
	24	Tipperah „ 22, '90	0.07	Weather—hot and cloudy with high winds. <i>Boro</i> paddy thriving. Land being prepared for jute, <i>aus</i> , and <i>amun</i> .
	25	Chittagong Hill Tracts. ...	...	Report not received.
BEHAR.		Hill Tipperah „ 22, '90	3.27	Weather—hot and cloudy. Heavy downpour on 18th. Cultivation of lands going on for <i>aus</i> paddy. <i>Jums</i> still being cut.
	26	Patna „ 22, '90	Nil	Weather—hot. Harvesting of <i>rubbi</i> crops continues. Collection of opium almost finished. Prospects favourable. Prices of food-grains almost stationary.
PATNA DIVN.	27	Gya „ 22, '90	0.15	Weather—hot. Harvesting of <i>rubbi</i> crops continues. Extraction of opium nearly finished. Prices of food-grains stationary.
	28	Shahabad „ 22, '90	Nil	Weather—occasionally cloudy. Winds variable in direction and intensity. <i>Rubbi</i> still being harvested. Transplanting of sugarcane going on. Opium harvest completed. Prices generally stationary, but falling in Sasseram.
	29	Durbhanga „ 22, '90	Nil	Strong winds prevailing. Harvesting of <i>rubbi</i> continues. Paddy and <i>mung</i> being sown. Indigo germinating well. Prices almost stationary.
	30	Mozufferpur „ 22, '90	Nil	Weather—warm and occasionally cloudy. <i>Rubbi</i> harvest continues. Indigo doing well. Opium outturn will probably be somewhat less than the average. About ¼ of the rice lands has been sown. <i>Mung</i> and <i>cheena</i> also being sown.
	31	Saran „ 22, '90	Nil	Weather—warm, overcast at times. <i>Rubbi</i> harvesting nearly completed. Wheat about a 16-anna crop. Sugarcane sowings probably more than normal, as prices are good. Poppy prospects not very good. Indigo prospects indifferent.
	32	Chumparun „ 22, '90	Nil	Weather—clear; getting hot; west wind blowing. Reaping of <i>rubbi</i> and collection of opium continue. Paddy and <i>cheena</i> being sown. Price of common rice 18 seers per rupee at Motihari.
	33	Monghyr „ 22, '90	...	Weather—getting hot; cloudy at times. A strong west wind with a light shower on the night of the 21st. Harvesting of <i>rubbi</i> in full progress; outturn good. Prices stationary.
	34	Bhagulpur „ 22, '90	Nil	Weather—seasonable. <i>Rubbi</i> being harvested. Rain wanted for preparing lands for <i>bhadoi</i> .
	35	Purneah „ 22, '90	Nil	Strong westerly wind. Harvesting of <i>rubbi</i> crops progressing satisfactorily. Cultivation for <i>bhadoi</i> crops proceeding. Westerly winds doing some injury to young indigo. A good mango crop expected.
	36	Maldah „ 22, '90	0.01	Weather—getting very hot. Strong west wind; occasionally cloudy, but no rain. Harvesting of <i>rubbi</i> crops continues. Rain much wanted for <i>boro</i> paddy. State of mulberry not favourable. Common rice selling at an average of 17½ seers per rupee.
BHAGULPORE DIVN.	37	Sonthal Pergha. Jamtara „ 15, '90	0.02 0.5	Weather—seasonable. <i>Rubbi</i> harvest still continues. In Deoghur rain wanted for sugarcane. Mango crop promises well. <i>Mokwa</i> in flower. Prices stationary.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.			
ORISSA DIVN.	38 Cuttack	March 22, '90	1.31
	39 Pooree	...	...
	40 Balasore	.. 22, '90	0.05
CHOTA NAGPORE.			
South-West Frontier Agency.			
CHOTA NAGPORE DIVN.	41 Hazaribagh	March 22, '90	Nil
	42 Lohardugga	.. 22, '90	0.12
	43 Singhbhum	.. 22, '90	0.11
	44 Manbhum	.. 22, '90	0.19

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 25th March, 1890.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE
HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL
DURING THE FORTNIGHT ENDING THE
15TH MARCH 1890.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU. (Sorghum Vulgare.)					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
BENGAL.																			
Western Districts.																			
		S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.
1	Burdwan	14 0	14 8	14 8	...	...	...	13 8	14 4	15 0	16 14	16 11	17 10	...	...	...	...	...	...
2	Bankoora	15 0	15 0	12 12	17 0	16 0	16 0	17 8	18 0	17 8	20 0	20 0	20 0	...	...	...	...	...	...
3	Beerbhoom ...	16 0	16 0	11 4	...	...	...	13 8	13 8	13 8	18 0	18 0	16 8	...	...	...	...	...	...
4	Midnapore	13 0	13 0	10 0	...	...	...	15 8	16 0	16 0	20 0	20 0	20 0	...	...	...	...	...	...
5	Hooghly ...	13 0	13 0	13 0	...	...	...	8 0	8 0	10 0	14 0	14 0	13 0	...	...	...	...	...	...
	Howrah	...	...	...	...	...	...	11 8	11 8	12 0	14 8	14 8	16 0	...	...	...	...	...	...
Central Districts.																			
	Calcutta	13 6	13 10	13 0	18 2	17 1	17 11	9 1	9 3	10 0	13 14	14 1	14 10	21 5	21 5	17 9	...	...	...
6	24-Pergunnahs	14 8	14 8	14 0	20 0	16 0	16 0	8 0	8 0	8 0	16 0	16 0	16 8	...	...	...	...	...	...
7	Nudda	15 0	15 0	16 0	17 12	17 12	22 13	12 13	12 5½	13 5½	14 9	14 9	16 4	...	...	...	...	...	...
8	Khoolna ...	...	...	...	...	...	...	12 8	14 0	14 0	14 0	16 0	16 0	...	...	...	...	...	...
9	Jessore	12 12	12 12	13 0	...	...	...	9 0	9 0	13 0	15 4	16 0	16 0	...	...	...	...	...	...
10	Moorshedabad	16 0	16 0	14 0	...	...	...	12 0	13 0	14 0	16 0	17 0	17 0	...	...	...	...	...	...
11	Dinapore	19 4	19 4	11 4	20 10	...	...	9 9	15 0	15 0	17 0	19 0	19 0	19 3	...	...	...	...	...
12	Rajshahye	16 8	16 8	15 0	26 4	26 4	37 8	13 8	13 8	13 8	15 12	15 0	15 0	...	...	...	...	...	...
13	Rungpore	14 8	14 8	12 4	...	...	...	9 6	9 7	10 8	14 8	14 8	16 0	...	...	...	...	...	...
14	Bogra	12 0	{ Best. 12 0 Com. 16 8 }	13 8	...	...	...	12 0	12 0	13 8	18 0	18 0	19 8	...	...	...	...	...	...
15	Pubna	13 8	17 4	19 8	...	...	...	6 12	6 14	8 0	14 4	16 14	18 0	...	...	...	...	...	...
16	Darjeeling	10 0	10 0	10 0	9 0	9 0	10 0	5 0	5 0	6 0	12 0	12 0	12 0	...	...	...	...	...	...
17	Julpigoree	13 0	14 0	10 0	16 0	16 0	16 0	8 0	8 0	8 0	15 0	15 0	17 8	...	...	...	...	...	...
Eastern Districts.																			
18	Dacca	13 0	13 0	15 8	16 0	16 0	16 0	14 0	13 0	16 0	15 0	14 0	17 0	...	...	...	...	...	...
19	Furzedpore	12 0	12 0	16 0	14 0	14 0	20 0	10 0	10 0	9 0	15 0	14 0	16 0	...	...	...	...	...	...
20	Backergunge ...	...	...	...	...	...	...	12 4	12 4	13 4	13 12	13 12	14 12	...	...	...	...	...	...
21	Mymensingh	11 8	11 8	10 0	...	...	...	10 0	10 8	13 0	13 0	14 0	18 0	...	...	...	...	...	...

A In subdivisions retail prices of salt per rupee are:—Cuttack 10 seers, Cutwa 10 seers 6 chittacks, and Raneebunge 9½ seers.

B At Rampore Haut retail price of salt 9 seers per rupee.

C In subdivisions retail prices of salt per rupee are:—Contai 9 seers, Tumlook 8 seers, and Ghatal 10 seers.

D In subdivisions retail prices of salt per rupee are:—Serampore 10 seers and Jehanabad 10 seers.

E In subdivisions retail prices of salt per rupee are:—Baraset 9 seers, Basirhat 9 seers, Diamond Harbour (at Magrahat) 10 seers, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.

F In subdivisions retail prices of salt per rupee are:—Koooshtea 10 seers, Meherpore 10½ seers, Chooadanga 9 seers, and Ranaghat 9 seers 2 chittacks.

G In subdivisions retail prices of salt per rupee are:—Bakthira 10 seers and Bagirhat 8 seers.

H In subdivisions retail prices of salt per rupee are:—Jhenida 9 seers, Magura 9½ seers, Narail 9½ seers, and Bongong 10 seers.

I In subdivisions retail prices of salt per rupee are:—Lalbagh 10½ seers, Jungipore 10 seers, and Kandi 10½ seers.

ORDER OF BOARD OF ALCOHOL

BAJRA OR CUMBU. (<i>Pennisetum typha-</i> <i>ideum</i> .)			MARUA OR RAGI (<i>Eleusine Corocana</i> .)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.

[illegible][illegible]

101	0.0	0.0	0.0	0.0	0.0
102	0.0	0.0	0.0	0.0	0.0
103	0.0	0.0	0.0	0.0	0.0
104	0.0	0.0	0.0	0.0	0.0
105	0.0	0.0	0.0	0.0	0.0

KANONI OR KAKUM, ITALIAN MILLET. (<i>Setaria italica</i> .)			GRAM, CHANA, CHHOLA, KADALAY OR SURAGA. (<i>Cicer ariselinum</i> .)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.

S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.
...	19	0	19	0	21	0	...	...
...	17	8	17	8	14	8	...	...
...	18	0	18	0	11	12	...	...
...	16	0	16	0	14	0	14	8
...	16	0	16	0	13	0	...	...
...	17	8	16	8	16	0	...	...

11	0	11	0	20	9	16	12	16	12	15	13
6	12	6	8	16	0	20	0	18	13	18	0
...	...	...	...	21	5	20	0	24	10	...	...
...	...	...	...	12	0	13	0	10	8	...	...
...	...	...	...	16	0	16	0	15	0	...	...
...	...	...	...	22	0	22	0	16	0	...	...
...	...	...	...	14	12	15	0	12	4	...	...
...	...	...	...	21	12	19	8	24	0	...	...
...	...	...	...	16	0	16	0	10	0	...	...
...	...	...	...	12	0	12	0	12	0	...	...
...	...	...	...	17	4	17	4	13	4	...	...
...	...	...	...	10	0	10	0	11	0	...	...
...	...	...	...	13	0	13	0	11	8	...	...

...	...	...	...	13	0	13	0	13	0
...	...	...	...	12	0	11	0	16	0
...	...	...	...	16	0	16	0	12	13
...	...	...	...	14	0	14	8	12	0

Head-quarter Station Bazars of the Districts of Bengal on the 15th March 1890.

												WHOLESALE PRICES PER MAUND OF 40 SEERS.						DISTRICTS.
INDIAN-CORN OR MAIZE (Zea Mays.)			ARHAR OR THUR, CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.						
Present return.	Next return.	Corresponding return of last year.	Present return.	Next return.	Corresponding return of last year.	Present return.	Next return.	Corresponding return of last year.	Present return.	Next return.	Corresponding return of last year.	Present return.	Next return.	Corresponding return of last year.				
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.				
...	20 0	23 0	19 0	00 0	100 0	107 0	A 10 0	10 0	10 2	3 11 0	3 10 6	3 11 6	Burdwan.			
35 0	35 0	20 0	20 0	20 0	18 0	80 0	28 0	28 0	10 0	10 0	10 0	3 15 0	3 15 0	3 14 0	Bankoora.			
...	19 8	12 0	...	160 0	160 0	160 0	B 10 8	10 8	9 12	3 19 0	3 19 0	3 13 0	Beerbhoom.			
...	14 0	13 8	20 0	160 0	6 0	160 0	C 10 3	10 3	10 4	3 14 6	3 14 6	3 14 0	Midnapore.			
...	11 0	11 0	13 0	120 0	120 0	120 0	D 9 0	9 0	9 0	3 11 6	3 11 6	4 6 0	Hooghly.			
...	13 4	13 4	13 0	100 0	100 0	100 0	10 0	10 0	10 8	3 12 0	3 12 6	3 11 0	Howrah.			
BENGAL. Western Districts.																		
Central Districts.																		
18 5	18 12	15 10	17 7	17 6	16 8	100 0	100 0	98 2	10 4	10 2	10 5	3 9 8	3 10 2	3 9 6	Calcutta.			
...	18 0	18 0	18 8	100 0	10 0	100 0	E 10 0	10 0	10 4	3 9 0	3 9 6	3 10 0	24-Pergunnahs.			
...	17 12	20 0	20 0	...	...	...	F 9 13	9 2	9 2	3 13 0	4 0 0	3 14 0	Nuddea.		
...	16 0	160 0	160 0	G 9 0	9 8	9 2	4 4 0	4 4 0	4 0 0	Khoolna.			
...	16 0	13 0	22 0	160 0	16 0	160 0	H 9 2	9 4	9 2	4 0 0	4 0 0	4 0 0	Jessore.			
...	18 0	19 0	22 0	200 0	20 0	200 0	I 10 12	10 12	10 0	3 12 0	3 12 0	4 0 0	Moorshedabad.			
...	19 6	13 0	12 12	160 0	16 0	160 0	J 9 8	9 8	9 8	4 0 0	4 0 0	4 0 0	Dinapore.			
...	20 4	20 0	24 9	240 0	24 0	240 0	K 9 0	9 0	9 9	4 2 8	4 2 8	4 0 0	Rajahshye.			
...	9 7	9 7	13 0	100 0	100 0	120 0	L 8 14	8 14	9 6	4 8 0	4 8 0	4 4 0	Rungpore.			
...	90 0	90 0	96 0	9 0	9 0	8 4	4 4 0	4 4 0	4 5 4	Bogra.			
...	20 0	20 10	23 4	20 0	20 0	200 0	M 10 0	9 6	9 2	4 0 0	4 0 0	4 0 0	Pubna.			
16 0	16 0	18 0	8 8	8 0	...	120 0	120 0	120 0	N 8 0	8 0	8 0	5 0 0	5 0 0	...	Darjeeling.			
...	13 0	12 0	9 0	128 0	128 0	128 0	O 9 0	9 0	9 0	4 2 0	4 2 0	4 2 0	Julpigoree.			
Eastern Districts.																		
...	14 0	14 0	16 0	16 0	160 0	120 0	P 9 8	9 8	10 0	4 2 0	4 2 0	3 14 0	Dacca.			
12 0	12 0	20 0	11 0	10 0	12 0	120 0	120 0	120 0	9 0	9 0	9 0	4 2 0	4 4 0	4 0 0	Furreedpore.			
...	120 0	120 0	120 0	Q 10 2	10 5	10 10	3 15 0	3 14 0	3 12 0	Backergunge.			
...	14 0	14 0	...	...	...	...	R 9 0	9 0	9 8	4 5 0	4 4 0	4 4 0	Mymensingh.		

J In Thakurgaon subdivision retail price of salt 8 seers per rupee.

K In subdivisions retail prices of salt per rupee are:—Nattore 9 seers and Nowgong 9 seers 9 chittacks.

L In subdivisions retail prices of salt per rupee are:—Gaibanda 8½ seers, Nilphamari 9 seers.

M At S-rajgunge retail price of salt 9½ seers per rupee.

N At Siliguri wholesale price of salt Rs. 4-4 per maund.

O At Fallacenta in the Alipore subdivision retail price of salt 8 seers per rupee.

P In subdivisions retail prices of salt per rupee are:—Manickgunge 8 seers, Moonahogunge 8½ seers, and Naraingunge 10 seers.

Q In subdivisions retail prices of salt per rupee are:—Patuakhali 9 seers, Porogopore 9 seers, and Bhola 8 seers.

R In subdivisions retail prices of salt per rupee are:—Kishoregunge 8 seers, Jamalpore 8 seers, Shorepore 8 seers, and

Netrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (Sorghum Vulgare.)					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
Eastern Districts—concluded.																			
22	Chittagong ...	11 0	11 0	11 0	...	...	...	12 0	12 0	12 0	16 8	15 10	15 0	...	...	...
23	Noakholly ...	...	...	...	...	...	...	15 0	14 0	14 0	16 0	16 0	15 0	...	...	...
24	Tipperah ...	12 4½	12 5	12 8	...	...	...	Gobindabha- 10 0	10 0	16 0	14 9	14 9½	18 0	...	...	...
25	Chittagong Hill Tracts. Hill Tipperah...	6 0	6 0	6 0	...	...	...	11 7	11 7	11 6½	13 5	13 5	12 10½	...	...	...
BEHAR.																			
26	Patna ...	16 8	17 8	18 0	...	...	...	23 8	25 0	22 0	10 8	10 8	11 0	19 8	19 8	16 8	22 0	22 0	25 0
27	Gya ...	13 8	15 8	18 0	...	...	...	20 4	22 0	21 0	11 0	11 8	9 0	17 0	17 0	15 0	...	...	...
28	Shahabad ...	14 0	15 0	14 8	20 0	18 0	25 0	9 0	8 0	9 0	16 0	16 0	15 0	20 0	21 0	20 0	...	...	...
29	Durbhunga ...	15 6	14 4	14 4	22 0	22 0	...	11 0	11 0	10 0	18 8	18 11	14 4	...	...	...	...	...	...
30	Mozufferpore ...	13 0	15 0	13 0	...	20 0	...	9 0	9 0	9 8	16 0	17 0	13 0	...	...	...	...	...	...
31	Sarun ...	15 8	15 0	16 0	20 0	...	25 8	9 4	9 4	8 12	16 14	16 13	14 4	...	...	...	...	...	...
32	Chumparun ...	13 8	14 0	13 0	30 0	28 0	14 0	8 0	8 0	7 0	17 0	18 0	13 0	...	...	...	...	...	...
33	Monghyr ...	17 13	18 6	15 12	19 11	18 5	26 4	15 12	15 12	12 9	16 12	17 5	15 8	...	...	...	...	...	...
34	Bhagulpore ...	16 6	16 6	15 12	20 3	20 3	15 2	Old. 11 6	11 6	13 14	Old. 13 14	13 14	15 2	...	...	...	...	...	...
35	Purneah ...	14 0	18 0	13 0	...	...	11 0	18 0	18 0	15 0	19 0	19 0	16 0	...	...	...	...	...	...
36	Maldah ...	19 0	18 0	13 0	...	...	...	11 0	14 0	10 0	17 0	17 0	17 0	...	...	...	...	...	...
37	Sonthal Pergas. ...	13 0	13 0	11 4	...	...	...	13 0	13 0	14 0	16 0	17 0	16 8	...	...	...	...	...	...
ORISSA.																			
38	Cuttack ...	13 2	13 2	13 3	...	...	...	10 8	10 8	11 13	19 11*	21 0	17 1	...	...	...	...	...	...
39	Pooros ...	11 13	13 2	11 13	...	...	...	15 12	17 1	11 13	22 10	23 10	17 1	...	...	...	...	...	...
40	Balasore ...	15 0	15 0	13 0	13 0	13 0	13 0	13 0	13 0	12 0	21 0	21 0	19 0	...	...	...	...	...	...
CHOTA NAGPORE.																			
South-West Frontier Agency.																			
41	Hazariabagh ...	13 0	13 0	17 0	13 0	14 0	...	10 0	10 0	8 0	17 0	17 0	16 0	...	...	...	...	...	...
42	Lohardugga ...	14 0	13 8	14 0	24 0	15 0	...	14 0	15 0	13 0	Middling. 15 0	17 12	14 0	...	...	...	...	...	...
43	Siagbhoom ...	9 6	10 12	10 0	10 0	10 0	14 0	16 0	16 0	16 0	20 0	20 0	20 0	...	...	...	...	...	...
44	Manbhoom ...	14 8	13 5	14 0	...	...	...	13 0	14 0	15 0	20 0	22 0	21 8	...	...	...	...	...	...

* Price of common rice at Jajpore and Kendrapara 23 seers 10 chittacks per rupee.

S At Cox's Bazar retail price of salt 8 seers per rupee.

T At Fenny Hat retail price of salt 8 seers per rupee.

U In subdivisions retail prices of salt per rupee are :—Buxar 10½ seers, Sasseram 10½ seers, and Bhabuah 9½ seers.

V At Jajpore retail price of salt 11 seers per rupee.

W In subdivisions retail prices of salt per rupee are :—Hajipore 9½ seers and Sitamarhi 10 seers.

CALCUTTA,
The 25th March 1890.

ERS OF 80 TOLAH.

MARA OR CUMBU.
Pinus typho-
ideum.

MARUA OR RAGI.
(Eleusine Corocana.)

Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.
-----------------------------	---	-----------------	-----------------------------	---

Ch. S. Ch. S. Ch. S. Ch. S. Ch. S. Ch.

...
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...
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...

14 0 ... 27 0 ...

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...
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26 7 26 7 19 12

...
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22 0 22 0 20 0

28 0 28 0 20 0

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...
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18 0

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30 0 25 0 22 0

40 0 34 0 27 8

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...
...

KANGNI OR KAKUN,
ITALIAN MILLET.
(*Setaria italica*.)

GRAM, CHANA,
CHHOLA, KADAR,
OR SUNAGA.
(*Cicer arietinum*.)

Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.
-----------------	-----------------------------	---	-----------------	-----------------------------

S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.
...	12	0	13	0	11	...
...	12	0	12	0	15	...
...	13	5	13	5	10	...
...
...	12	0	12	0	11	...

22	0	23	0	15	8	23	8	25	0	2
15	0	15	0	12	8	20	0	20	0	1
...	...	...	...	...	...	20	0	20	0	1
12	0	...	...	...	...	20	14	22	0	1
...	...	...	...	...	...	20	0	18	0	1
16	0	16	0	11	0	Now, 22	8	20	0	2
...	...	...	...	...	...	21	0	17	0	1
...	...	13	10	26	4	27	13	...	...	...
...	...	...	...	21	3	20	3	...	...	...
...	...	16	0	16	0	16	0	...	...	...
...	...	...	...	18	0	16	0	...	...	...
...	...	...	...	17	0	17	0	...	...	...

...	...	...	15	12	Kalal 14	7
...	...	...	15	12	Kalal 15	12
...	...	...	14	0	14	0

...	...	...	18	0	16	0
...	...	...	17	0	14	0
...	...	...	10	0	10	0
...	...	...	18	0	16	0

Station Bazars of the Districts of Bengal on the 15th March 1890 — (concluded).

												WHOLESALE PRICES PER MAUND OF 40 SEERS.						DISTRICTS.
INDIAN-CORN OR MAIZE. (Zea Mays.)			ARHAR OR THUR. CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.						
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.				
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.				
Eastern Districts—concluded.																		
...	...	...	...	...	...	110	0 110	0 108	0 9 0	9 0	9 0	4 0 0	4 4 0	4 0 0	Chittagong.
...	...	...	8 0	8 0	8 0	...	...	...	9 0	9 0	8 0	4 0 0	4 0 0	4 8 0	Noakholly.
...	...	...	8 0	8 6 1	9 0	...	...	...	9 6 1	9 6 1	8 0	4 4 0	4 4 0	4 6 0	Tipperah.
...	...	...	...	...	...	32 1	0 320	0 320	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.
...	...	...	8 0	8 0	8 0	...	...	...	8 0	8 0	8 0	4 6 0	4 6 0	4 6 0	Hill Tipperah.
BEHAR.																		
24 0	25 0	22 8	...	25 0	25 0	130	0 130	0 130	10 0	10 0	10 0	3 13	9 3 14	0 3 12	Patna.			
...	...	...	21 0	21 0	19 0	16 1	0 16 1	0 200	9 2	9 2	8 12	4 2 0	4 2 0	4 2 9	Gya.	
...	...	...	21 0	20 0	14 0	160	0 160	0 160	10 0	10 0	10 0	3 14	0 3 15	0 4 0	Shahabad.	
21 3	23 1	19 12	20 14	17 9	19 12	160	0 160	0 176	11 0	11 0	11 0	3 8	0 3 10	3 3 10	Durbhunga.			
22 8	23 0	19 0	18 0	18 0	20 0	160	0 160	0 160	10 0	10 0	10 0	3 12	0 4 0	0 3 12	Mozufferpore.			
22 8	22 0	24 8	21 4	19 8	21 4	160	0 160	0 180	9 12	9 12	10 0	4 0 0	4 0 0	3 15	Sarun.			
25 0	24 8	18 0	17 8	17 0	22 0	160	0 160	0 160	10 0	9 8	9 8	4 0 0	4 2 0	4 1 0	Champaran.			
21 0	24 2	16 12	23 1	18 5	21 0	147	0 147	0 147	9 7	9 15	9 8	4 2 0	4 0 0	4 0 0	Monghyr.			
22 11	22 11	17 10	16 6	16 6	16 6	176	12 176	12 151	0 10	1 10	1 10	3 15	6 3 15	6 3 14	Bhagulpore.			
...	...	10 0	16 0	16 0	16 0	130	0 130	0 2 0	0 9 0	9 0	9 4	4 7 0	4 7 0	4 5 0	Purneah.			
...	...	...	...	...	...	16 1	120	120	9 8	9 0	9 8	3 14	0 4 1	0 4 0	Maldah.
25 0	25 0	18 0	20 0	20 0	22 0	200	0 200	0 200	9 0	9 0	9 0	4 0 0	4 0 0	4 3 0	Sonthal Pergba.			
ORISSA.																		
...	...	...	18 6	14 7	15 12	80	0 80	0 80	11 0	11 0	12 0	3 12	0 3 12	0 3 3	Cuttack.	
...	...	...	14 7	15 12	14 7	80	0 80	0 80	11 13	11 13	11 13	3 6	0 3 6	0 3 6	Pooree.	
...	...	...	...	...	...	160	0 160	0 160	11 0	11 0	9 0	3 14	0 3 4	0 4 0	Balasore.
CHOTA NAGPORE																		
South-West Frontier Agency.																		
22 0	21 0	18 0	16 0	15 0	17 0	320	0 320	0 320	8 0	8 0	8 0	4 4 0	4 6 0	4 6 0	Hazaribagh.			
32 0	32 0	17 8	Small. 24 0 19 0 Large. 0 0			16 0	12 0	120	140	0 9 0	8 8	8 8	4 6 0	4 5 0	Lohardugga.			
16 0	16 0	...	14 0	14 0	15 0	240	0 240	0 200	8 8	8 8	7 0	4 12	0 4 12	0 5 8	Singbhoom.			
32 0	14 0	32 0	10 0	10 0	14 0	200	0 200	0 200	9 2	9 2	9 0	4 0 0	4 0 0	4 2 0	Manbhoom.			

- X At Bettiah retail price of salt 10 seers per rupee.
Y In subdivisions retail prices of salt per rupee are:—Begusarai 9½ seers and Jamui 9 seers.
Z At Kishengunge retail price of salt 8 seers per rupee.
Z1 In Khoordah subdivision retail price of salt 10½ seers per rupee.
Z2 At Bhudruk retail price of salt 9 seers per rupee.
Z3 At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 11 10	2 11 0	2 13 3	1 15 8	2 1 10	2 0 3	4 2 8	4 1 3	3 12 2	2 9 6	2 9 2	2 7 0
2	Seraingunge ...	2 4 0	2 4 0	2 4 0	...	...	...	4 8 0	3 12 0	3 8 0	2 10 0	2 12 0	2 6 0
3	Dacca ...	3 0 0	3 0 0	2 8 0	2 7 0	2 7 0	1 8 0	2 13 0	3 0 0	2 8 0	2 10 0	2 13 0	2 5 0
4	Naraingunge ...	...	...	...	...	...	...	3 0 0	3 0 0	2 6 0	2 12 0	2 12 0	2 4 0
5	Chittagong ...	3 8 0	3 8 0	3 9 0	...	...	...	3 4 0	3 4 0	3 4 0	2 7 7	2 8 6	2 10 0
6	Patna ...	2 8 6 2 15 0	Red. 2 4 0 White. 2 8 0	...	1 10 6	1 9 0	1 12 0	3 12 6	3 12 0	3 8 0	1 15 0	2 0 0	2 6 6
7	Balasore ...	2 8 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	1 11 0	1 11 0	1 13 6
8	Pooroe ...	...	...	...	...	...	...	...	...	...	1 11 0	1 12 0	2 2 6
9	Cuttack ...	3 0 0	3 0 0	3 0 0	...	...	...	3 10 0	3 10 0	3 4 0	2 0 0	1 11 0	2 0 0

CALCUTTA,
The 25th March, 1890.

PRICES PER MAUND

JOWAR OR CHOLUH. (<i>Sorghum Vulgare</i> .)			BAJRA OR CUMBU. (<i>Pennisetum typhoides</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.
1 10 01	1 10 62	1 5 2	4 0 2	4 0 2	11 0
...
...
...
...
...
1 12 01	1 12 01	9 0	...	2 13 0	...
...
...
...

OF 40 SEERS.

MARUA OR RAGI. (<i>Eleusine Corocana</i> .)			KANGNI OR KARUN, ITALIAN MILLET. (<i>Setaria italica</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
...	3 0 03	0 01	8 11
...
...
...
...
...
...	1 7 0	...	1 12 01	10 02	8
...
...
...

in the undermentioned *Marts* of Bengal on the 15th March 1890.

GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (<i>Cicer Arietinum</i> .)			INDIAN-CORN OR MAIZE. (<i>Zea Mays</i> .)			ARHAR OR THUR. CADJAN PEA. (<i>Cajanus indicus</i> .)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 3	2 2 3	2 4 6	1 14 11	1 14 6	2 5 0	2 1 1	2 1 2	2 2 10	0 5 6	0 5 6	0 6 0	3 9 8	3 10 2	3 9 6	Calcutta.
2 0	2 2 0	2 9 0	...	...	...	...	...	...	...	...	...	3 14 0	3 12 0	3 13 0	Serajgunge.
0 0	3 0 0	3 0 0	...	...	...	2 12 0	2 12 0	2 8 0	0 4 0	0 4 0	0 5 0	4 2 0	4 2 0	3 14 0	Dacca.
12 4	3 0 0	3 0 0	...	...	...	3 0 0	3 2 0	3 2 0	0 8 0	0 8 0	0 8 0	3 12 0	3 8 0	3 12 0	Naraingunge.
4 0	3 0 0	3 8 0	...	...	...	...	...	...	0 6 0	0 6 0	0 5 0	4 0 0	4 4 0	4 0 0	Chittagong.
10 6	1 8 6	1 9 0	1 10 3	1 9 0	1 11 6	...	1 9 0	1 9 0	0 6 0	0 5 0	0 5 0	3 13 9	3 14 0	3 12 6	Patna.
12 0	2 12 0	2 14 0	...	...	...	...	...	...	0 4 6	0 4 6	0 4 6	3 14 0	3 14 0	4 0 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 6 0	3 6 0	3 6 0	Pooree.
5 0	2 12 0	1 11 0	...	...	...	2 0 0	2 12 0	2 5 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	3 3 0	Cuttack.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

			STATION OBSERVATIONS.												
METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	AIR PRESSURE.			WIND.		TEMPERATURE.							
			Mean barometric height, 8 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.
ORISSA.	Pooree	Pooree	29.831	29.843	—	SW	43.0	86.7	17, 20 Mar.	70.1	16th Mar.	86.1	76.3	81.2	—
	Gopalpore	Gopalpore	29.818	29.840	—0.024	S. wly.	52.8	85.7	15, 18 "	73.3	15th "	83.2	77.9	81.6	+1.4
	False Point	False Point	29.819	29.841	—0.023	SW	57.0	85.0	15th "	72.1	16th "	80.8	75.5	81.2	+0.7
	Cuttack	Cuttack	29.704	29.816	—0.085	South-westerly.	97.1	97.9	21st "	70.8	16th "	93.6	75.1	84.4	—0.8
	Balasore	Balasore	29.704	29.824	—0.111	South-westerly.	205.5	92.4	16th, 18th Mar.	70.9	15th "	90.5	74.0	82.2	+1.3
	South-West Midnapore	Saugor Island	29.817	29.843	—0.091	SSW	48.0	87.7	18th, 21st Mar.	75.6	16th "	86.4	77.6	82.1	+0.1
	Midnapore	Midnapore	29.671	29.832	—0.101	S	274.3	97.3	18th, 19th Mar.	70.2	15th "	96.3	72.0	84.2	+1.9
	24-Pergunnahs	Calcutta	29.802	29.834	—0.106	SW	158.0	93.5	21st "	69.7	16th "	90.9	73.2	82.1	+1.4
	Howrah	Howrah	29.706	29.808	—0.119	SW	83.2	97.6	18th "	65.4	16th "	95.0	71.1	83.0	+1.4
	Hooghly	Hooghly	29.403	29.799	—0.112	W	85.7	97.6	21st "	66.7	18th "	95.8	69.9	82.9	+1.6
	Burdwan	Burdwan	29.494	29.834	—0.093	Calm & NW	55.9	98.1	18th "	65.4	18th "	96.3	69.0	82.6	+1.4
	West Burdwan	West Burdwan	29.749	29.817	—0.103	Southerly	115.4	97.2	18th "	64.7	16th "	94.2	68.6	81.4	+1.8
	Moorshedabad	Moorshedabad	29.774	29.841	—0.084	South-westerly.	139.6	97.0	19th "	62.9	16th "	93.3	70.8	83.0	+5.7
	Nudda	Nudda	29.793	29.827	—0.103	SW	66.9	95.3	19th "	69.5	16th "	93.2	75.0	84.1	+3.0
	Jessore	Jessore	29.790	29.851	—0.091	SE & SSE	147.8	87.1	16th "	65.0	16th "	84.3	70.4	77.4	+0.2
	Chittagong	Chittagong	29.700	29.851	—0.091	SE & SSE	147.8	87.1	16th "	65.0	16th "	84.3	70.4	77.4	+0.2
	Chittagong Hill Tracts	Demagiri	29.835	29.847	—0.084	S	137.7	96.8	19th "	70.4	16th "	88.2	72.5	80.4	+1.1
	Backergunge	Backergunge	29.832	29.876	—0.074	S	150.2	85.5	19th "	68.8	16th "	85.6	71.9	78.8	+1.1
	Noakholly	Noakholly	29.803	29.844	—0.078	S	149.0	86.5	19th "	68.9	16th "	85.7	72.3	79.0	+1.4
	Furreeedpore	Furreeedpore	29.817	29.840	—0.083	S	177.3	92.6	15th "	65.2	17th "	90.5	70.1	80.3	+0.6
	Dacca	Dacca	29.805	29.861	—0.079	SW	246.4	90.4	21st "	65.4	16th "	87.5	71.1	79.3	+1.2
	Commilla	Commilla	29.782	29.842	—0.095	South-easterly.	142.7	89.6	16th "	65.3	16th, 18th Mar.	85.5	67.8	76.6	+1.6
	Mymensingh	Mymensingh	29.735	29.800	—0.067	SE	128.0	94.5	18th "	64.1	18th "	92.1	66.9	79.4	+2.7
	Bogra	Bogra	29.773	29.821	—0.068	E	99.9	93.4	18th "	69.5	20th "	80.3	65.8	77.6	+0.3
	Patna	Patna	29.743	29.814	—0.093	SE	88.9	94.0	18th "	63.9	16th "	82.3	67.8	80.1	+2.8
	Rajshahye	Rajshahye	29.735	29.817	—0.040	E	80.4	94.7	20th "	62.3	17th "	83.2	65.5	79.4	+5.6
	Maldah	Maldah	29.769	29.833	—0.105	NE	141.0	92.1	16th, 18th Mar.	63.2	16th, 19th Mar.	81.0	65.9	78.4	+2.8
	Dinapore	Dinapore	29.722	29.830	—0.071	E	39.6	80.8	16th "	60.5	18th "	83.2	65.5	76.9	+2.7
	Rungpore	Rungpore	29.739	29.836	—0.091	E & NE	205.3	89.2	15, 16 & 18 to 21 Mar.	58.9	16th, 17th Mar.	85.1	61.9	74.9	+1.9
	Jalpigore	Jalpigore	29.739	29.836	—0.091	E & NE	205.3	89.2	15, 16 & 18 to 21 Mar.	58.9	16th, 17th Mar.	85.1	61.9	74.9	+1.9
	Cooch Behar	Cooch Behar	29.739	29.836	—0.091	E & NE	205.3	89.2	15, 16 & 18 to 21 Mar.	58.9	16th, 17th Mar.	85.1	61.9	74.9	+1.9
	Darjeeling Hill Tracts	Darjeeling	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Purneah	Purneah	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	North Bhagulpore	North Bhagulpore	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Mozufferpore	Mozufferpore	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Durbhanga	Durbhanga	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Chumbaron	Chumbaron	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Chupra	Chupra	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Duhre	Duhre	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Shahabad	Shahabad	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Gya	Gya	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Patna	Patna	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	South Bhagulpore	South Bhagulpore	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Monghyr	Monghyr	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Southal Pergunnahs	Southal Pergunnahs	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Hazaribagh	Hazaribagh	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Chardugga	Chardugga	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Manikpur	Manikpur	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Singbhum	Singbhum	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Chandannagar	Chandannagar	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8
	Chandannagar	Chandannagar	29.618	29.828	—0.086	North-easterly.	91.3	91.7	20th "	56.6	16th "	90.1	62.5	76.3	+0.8

* Means of five days. † Means of six days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the years 1871 to 1890. The humidity of the atmosphere is expressed in percentage, saturated air being represented by 100. A clear sky is denoted by c and an overcast sky by o. The numbers in the numerical means or average of the rainfall in that district determined from the returns sent in by the subdivisional stations for the period in question during the stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 21st of March 1890.

					DISTRICT OBSERVATIONS.												
Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	OF WEEK.		RAINFALL.										Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
			Mean for district.	Normal mean.	Since 1st of month.			Since 15th May 1889.			Average number of rainy days.	Normal number of rainy days.					
					Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.							
87	2.0	1.33	1.05	0.15	2.55	0.50	+2.05	77.49	56.96	+20.53	1.3	0.5	Poorer	Poorer	ORISSA.		
88	0.1	0.31											Gopalpore				
89	3.0	0.01											False Point				
79	3.0	1.14	1.00	0.26	1.83	0.82	+1.03	68.26	53.61	+14.65	1.6	0.5	Cuttack	Cuttack	ORISSA.		
85	0	0.21	0.09	0.38	2.22	0.83	+1.39	52.29	55.20	-2.91	1.3	0.6	Balasore	Balasore			
85	2.4	0.02	0.05	0.19	1.32	0.71	+0.61	59.06	64.46	-4.50	1.3	0.5	Saugor Island	South-West Midnapore			
75	1.7	0.39	0.15	0.30	1.05	1.21	-0.18	47.42	53.78	-6.36	0.7	0.5	Midnapore	Midnapore	SOUTH-WEST BENGAL.		
85	2.7	0.01	0.05	0.32	0.39	1.00	-0.41	54.09	53.91	+0.78	0.3	0.6	Calcutta	24 Pergunnahs...			
72	1.7	0.38	0.13	0.20	0.99	0.84	-0.24	44.49	45.58	-4.69	0.3	0.5	Burdwan	Howrah			
63	1.3	Nil	Nil	0.23	0.89	0.74	+0.15	56.82	53.75	+3.07	0.9	0.6	Bankoora	Hooghly	SOUTH-WEST BENGAL.		
68	2.4	0.33	0.17	0.06	0.09	0.41	+0.28	53.15	53.01	+0.14	0.8	0.4	Raneegunge	Reerbhoom			
86	3.4	Nil	0.14	0.10	0.32	0.50	-0.18	51.49	51.34	-0.35	0.2	0.4	Berhampore	West Burdwan			
77	3.7	Nil	0.04	0.27	0.41	1.00	-0.59	52.02	51.18	+0.84	0.2	0.5	Krishnagur	Moorshedabad	SOUTH-WEST BENGAL.		
86	0.7	Nil	0.03	0.41	0.21	1.27	-1.06	54.96	55.69	-0.73	0.1	0.7	Jessore	Nudda			
85	3.7	2.04	2.17	0.48	2.35	1.33	+1.22	102.90	115.84	-12.94	3.5	0.9	Chittagong	Jessore			
88	5.9	0.11	0.34	0.47	0.50	1.23	-0.83	78.91	79.39	-0.48	1.0	0.8	Barrisal	Khoolna	EAST BENGAL.		
82	1.4	1.09	2.09	0.72	2.24	2.39	-0.15	93.13	110.55	-17.42	3.5	1.2	Noakholly	Chittagong Hill Tracts			
88	4.3	2.28	1.27	0.53	1.39	1.75	-0.56	63.61	58.67	+4.94	2.0	1.0	Furzedpore	Backergunge			
90	7.0	2.15	1.31	0.58	1.63	1.72	-0.09	77.82	62.62	+15.20	3.8	1.0	Dacca	Noakholly	EAST BENGAL.		
86	5.6	0.06		1.11		2.55		72.88					Commillah	Furzedpore			
88	8.1	2.23	2.35	0.31	2.37	1.16	+1.21	91.15	69.30	+21.76	2.8	0.9	Mymensingh	Dacca			
85	0.7	0.81	0.68	0.15	0.71	0.51	+0.20	66.33	58.52	+7.81	0.8	0.4	Bogra	Tipperah	NORTH BENGAL.		
88	6.1	2.03	1.84	0.20	2.01	0.93	+1.08	57.38	55.33	+2.05	2.5	0.4	Serajgunge	Mymensingh			
84	3.0	0.03	0.04	0.02	0.05	0.44	-0.36	54.43	55.02	-0.59	0.7	0.3	Rampore Beaulah	Bogra			
72	1.3	0.01	Nil	0.16	0.11	0.36	-0.25	39.99	55.17	-15.17	0.0	0.4	Maldah	Rajshahye	NORTH BENGAL.		
71	4.1	Nil	0.01	0.08	0.04	0.30	-0.26	57.33	58.18	-0.85	0.2	0.3	Dinapore	Maldah			
73	0.4	0.06	0.02	0.20	0.02	0.71	-0.69	85.89	74.97	+10.92	0.5	0.4	Rungpore	Dinapore			
69	2.0	0.13	0.06	0.34	0.06	0.80	-0.74	117.79	112.44	+5.35	0.6	0.6	Julpigoree	Rungpore	NORTH BENGAL.		
7	7	7	0.01	0.32	0.04	0.99	-0.95	133.50	123.03	+10.47	0.8	0.5	Darjeeling	Julpigoree			
67	1.0	Nil	Nil	0.06	0.05	0.30	-0.25	75.05	59.48	+15.57	0.0	0.3	Purneah	Cooch Behar			
61	1.4	Nil	Nil	0.07	0.07	0.35	-0.28	48.92	44.28	+4.64	0.0	0.3	Mozufferpore	Darjeeling Hill Tracts	NORTH BENGAL.		
59	2.0	Nil	Nil	0.03	0.15	0.52	-0.17	64.11	47.40	+16.71	0.0	0.2	Motihari	Purneah			
51	1.9	Nil	Nil	0.04	0.17	0.16	+0.01	40.30	43.39	-3.09	0.0	0.2	Chupra	North Bhagulpore			
47	2.0	Nil	0.02	0.07	0.40	0.38	+0.02	40.49	46.86	-6.37	0.8	0.2	Dehree	Mozufferpore	SOUTH BENGAL.		
49	4.0	0.02											Buxar	Durbhunga			
47	3.3	Nil											Arrah	Chumparan			
51	3.7	0.15	0.07	0.08	0.25	0.29	-0.04	37.34	42.33	-4.99	0.8	0.3	Gya	Sarun	SOUTH BENGAL.		
42	3.1	0.03	0.01	0.08	0.12	0.24	-0.12	43.63	41.97	+1.66	0.2	0.3	Bankipore	Shahabad			
54	1.6	Nil	Nil	0.06	0.06	0.23	-0.17	42.55	43.92	-1.37	0.0	0.2	Bhagulpore	Gya			
54	0.7	0.03	0.02	0.12	0.44	0.44	0	54.59	51.70	+2.89	0.6	0.3	Deomka	South Bhagulpore	SOUTH BENGAL.		
60	0.6	Nil	Nil	0.10	0.61	0.73	-0.12	43.64	31.78	+11.86	0.0	0.3	Hazaribagh	Monghyr			
61	0.6	0.07	0.11	0.20	1.09	0.69	+1.00	40.63	50.54	-9.91	0.3	0.4	Ranchi	Sonthal Pergunnahs...			
71	0.1	0.12	0.11	0.25	1.05	0.92	+0.13	49.31	53.54	-4.23	1.0	0.6	Chyebassa	Loardugga	CHUTIA NAGPUR.		
														Mautnom			
														Singbhoom			

Notes. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.
 The means for the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the subdivisional stations.

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 21st of March 1890.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1889.	Average rain-fall from 15th May to date.
			Saturday, 15th March.	Sunday, 16th March.	Monday, 17th March.	Tuesday, 18th March.	Wednesday, 19th March.	Thursday, 20th March.	Friday, 21st March.	Number of rainy days.	Rainfall week.				
ORISSA	Pooree	Pooree	0.67	0.53	0.00	0.00	0.00	0.00	0.00	1	1.20	1.32	0.37	82.03	52.55
		Khurda	1.93	0.51	0.00	0.00	0.00	0.00	0.00	1	2.44	4.34	0.25	80.91	57.73
		Bampur	0.53	0.00	0.00	0.00	0.00	0.00	0.00	1	0.53	4.75	0.46	70.25	50.45
		False Point	0.00	0.01	0.00	0.00	0.00	0.00	0.00	1	0.01	0.52	0.03	77.52	65.31
		Gop Satpara Pipili	0.02	0.01	0.00	0.00	0.00	0.00	0.00	2	0.03	0.71	?	?	?
	Cuttack	Jagatsingapore	0.19	0.71	0.00	0.00	0.00	0.00	0.00	1	0.90	1.70	0.06	76.10	48.35
		Banki	0.33	2.15	0.00	0.00	0.00	0.00	0.00	1	2.48	3.78	0.09	56.23	51.13
		Cuttack	0.80	0.45	0.00	0.00	0.00	0.00	0.00	1	1.31	2.49	1.67	77.38	58.14
		Kendrapara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.05	0.38	0.02	72.42	54.07
		Jajpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	1	0.50	0.88	38.63	55.08
	Balasore	Dharmasala	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.50	1.31	?	73.78	?
		Salipore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.50	1.31	?	73.78	?
		Chandbali	0.35	0.00	0.00	0.00	0.00	0.00	0.00	1	0.35	0.57	0.86	55.61	54.54
		Bhuddruck	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.32	2	2.25	0.76	60.91	53.78
		Sorah	1.00	0.00	0.20	0.00	0.00	0.00	0.00	1	1.20	1.61	1.13	47.66	50.80
SOUTH-WEST BENGAL.	Midnapore	Balasore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.05	2.61	0.91	49.72	60.21
		Jellasore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.05	2.61	0.91	49.72	60.21
		Raripodah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.21	1.53	0.54	50.12	55.11
		Contal	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1	0.02	2.25	0.55	57.52	63.13
		Saugor Island	0.00	0.02	0.00	0.00	0.00	0.00	0.00	1	0.02	0.80	0.59	57.65	63.81
	24-Pargunnah	Tumlook	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.30	1.39	50.50	53.81
		Midnapore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.46	0.30	1.18	47.16	50.98
		Ghatal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	1.29	1.06	44.50	10.61
		Kutubdih	0.00	0.00	0.00	0.23	0.00	0.00	0.00	1	0.23	0.63	?	50.77	?
		Garbeta	0.00	0.00	0.00	0.00	1.16	0.00	0.00	2	1.38	4.77	?	51.06	?
	Howrah	Diamond Har-bour	0.00	0.00	0.00	0.08	0.00	0.00	0.00	2	0.10	0.90	1.01	64.60	61.23
		Canning Town	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.27	?	58.12	?
		Alipore Jail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.41	1.27	51.25	58.10
		Barrackpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.40	1.16	52.61	52.29
		Dum-Dum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.37	1.10	65.80	53.93
Hooghly	Barnet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.18	0.99	58.89	52.25	
	Banerhat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.16	1.30	62.57	50.99	
	Howrah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.40	1.06	60.64	54.06	
	Mohesra (Oolobertah)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.5	0.43	0.76	55.47	54.20	
	Serampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.56	0.75	56.10	52.11	
Burdwan	Hooghly	0.00	0.00	0.00	0.34	0.00	0.00	0.00	1	0.34	0.28	0.87	38.11	50.18	
	Jehanabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.09	2.31	0.77	43.92	57.90	
	Culina	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.22	0.93	41.84	46.36	
	Burdwan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.35	0.75	0.95	48.00	46.03	
	Cutwa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.51	0.65	43.62	49.00	
Bankoota	Raneogunge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.35	1.64	0.48	56.94	50.00	
	Manikur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.15	0.43	?	54.23	?	
	Bankoota	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	1.13	1.11	51.90	53.47	
	Bishenpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.94	0.91	58.43	53.60	
	Maliara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.50	0.41	52.96	52.96	
Heerbhoom	Khatra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.90	0.55	60.81	55.42	
	Indas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.38	0.72	?	45.86	?	
	Kotalpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	1.80	2.61	?	51.01	?	
	Anda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.40	?	40.84	?	
	Gangajalhati	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.44	1.17	?	60.34	?	
Nadda	Raipore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.45	1.25	?	59.60	?	
	Sonamukhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.35	?	54.79	?	
	Rh. Soory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.50	0.51	59.65	50.13	
	Hotampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.80	0.18	47.76	50.00	
	Rampore Haat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.33	0.40	0.45	48.18	52.82	
Khoolna	Bolpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.45	?	55.40	?	
	Murari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.47	?	53.57	?	
	Ranaghat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.25	0.94	60.65	48.00	
	Kishinshur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.20	0.78	47.16	47.80	
	Choudanga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.35	0.63	60.11	53.00	
Jessor	Meherpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.29	1.13	53.84	49.60	
	Kooshtea	0.22	0.00	0.00	0.00	0.00	0.00	0.00	1	0.22	0.90	1.23	60.72	56.75	
	Satkira	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	1.24	54.54	57.35	
	Bagirhat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	1.01	55.48	53.80	
	Khoolna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.25	1.35	57.67	57.40	
Moorshedabad	Nakipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	?	?	?	
	Rampal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.28	?	?	?	
	Narail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.23	0.38	1.31	52.39	48.40	
	Jessor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.35	1.31	64.25	50.00	
	Jhenidah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.30	1.35	50.94	51.20	
East BENGAL	Chittagong	Magoorah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.19	1.33	67.69	53.20
		Bongong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.30	1.64	47.94	53.20
		Kandi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.55	1.20	0.40	50.55	52.70
	Chittagong Hill Tracts.	Berhampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.29	0.69	46.48	52.70
		Lalbagh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.05	0.48	47.18	51.30
Azimungo		0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.33	0.51	50.54	50.70	
Hackerungge	Jungipore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.04	0.48	49.16	50.70	
	Lalgaia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.03	0.14	?	43.42	?	
	Jiagnung	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	0.06	?	?	?	
	Akhriung	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	?	?	?	
	Pathabari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	?	?	?	
Chittagong	Cor's Bazar	1.05	0.95	0.05	0.05	0.07	0.00	0.00	4	2.12	2.12	1.31	125.71	137.80	
	Chittagong	1.83	0.38	0.00	0.00	0.00	0.00	0.00	3	2.22	2.06	1.34	70.95	96.70	
	Kutubdia	0.00	1.17	0.25	0.05	0.00	0.00	0.00	2	1.70	1.00	?	65.50	?	
	Satkanga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	1.70	1.00	?	65.50	?	
	Rangamati	1.31	0.49	0.50	0.50	0.50	0.50	0.50	4	2.80	4.00	1.80	68.60	80.00	

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 21st of March 1890 -contd.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1889.	Average rainfall from 15th May to date.
			Saturday, 16th March.	Sunday, 17th March.	Monday, 18th March.	Tuesday, 19th March.	Wednesday, 20th March.	Thursday, 21st March.	Friday, 22nd March.	Number of rainy days.	of Rainfall week.				
NORTH BENGAL.	Burdwan.	Gournadi ..	0.03	0.07	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Baughal ..	0.03	0.07	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Noakholly ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Penny ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
	Furzedpore.	Harishpore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Ramganj ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Madni pore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Furzedpore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
	Dacca.	Gaulundo ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Munshingunge ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Dacca ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Narainkunge ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
	Hill Tipperah.	Manickkunge ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Joydhpore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Agartala ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Comilla ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
	Mymensingh.	Chandpore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Brahmunberia ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Ramchandrapore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Nasiragar ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
	Kishoreganj.	Daukhundi ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Kasba ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Lakham ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
		Atia (Tangail) ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?
Pubna.	Mymensingh ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Jamshpore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Netrakona ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Subornakhali ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
Bogra.	Durgapore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Sherepore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Demanganj ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Sherepore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
Rajshahi.	Pubna ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Barakunda ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Nowkilla ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Bogra ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
Malda.	Panchbibi ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Beaulah ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Natore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Naogaon ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
Dinapore.	Lalpur ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Manda ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Malda ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Chanchal ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
Rungpore.	Gajol ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Sibganj ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Mohadepore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Churamon ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
Jalpigore.	Raigunge ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Dinapore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Walooghah ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Thakoorgha ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
Cooch Behar.	Bhawanigunge ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Gyabanda ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Rungpore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Kurigram ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
Darjeeling Hill.	Bagdoga ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Nilphamari ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Ulipore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Jalpigore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
North Bhagalpore.	Alipore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Dagaj ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Palacotta ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Debiganj ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
Durbhanga.	Bhagatpore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	(Nagrahatta) ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Uinhata ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Cooch Behar ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
Mozafferpore.	Mickilgunge ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Matahanga ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Buxa ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Siliguri ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
Purneah.	Darjeeling ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Kalimpang ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Kurseong ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Kissengunge ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
North Bhagalpore.	Arra ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Purneah ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Gondwara ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Bara ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
Durbhanga.	Bara ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Kaliaganj ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Madadpore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Scopool ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
Durbhanga.	Protabganj ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Tajpore ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1	1.35	1.35	0.7	62.05	?	
	Durbhanga ..	0.03	0.08	0.12	0.14	0.15	0.15	1.35	1						

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 21st of March 1890—concl.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1889.	Average rainfall from 1st May to date.
			Saturday, 15th March.	Sunday, 16th March.	Monday, 17th March.	Tuesday, 18th March.	Wednesday, 19th March.	Thursday, 20th March.	Friday, 21st March.	Number of rainy days.	Rainfall of week.				
NORTH BEHAR—concluded.	Chumprun...	Motihari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.19	0.33	75.52	4.00
		Bottish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.12	0.31	52.69	4.00
		Bogaha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.11	?	70.44	4.00
SOUTH BEHAR	Sarun	Burhura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.23	?	51.95	4.00
		Gopalgunga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.25	0.07	35.73	4.00
		Chuprah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.14	0.14	44.43	4.00
	Shahabad	Buxar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.11	0.27	40.53	4.00
		Dehree	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.30	0.22	47.74	4.00
		Bhaboonah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.26	0.63	41.02	4.00
		Sasaram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.45	0.54	58.61	4.00
		Arrah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.85	0.22	30.31	4.00
		Mehastah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.20	42.82	4.00
	Gya	Aurungabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.13	?	?	4.00
		Gya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.20	0.31	55.62	4.00
		Nowadah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.15	0.25	?	4.00
		Jehanabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.13	0.35	59.72	4.00
		Arwal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.30	0.28	33.77	4.00
		Jaunpur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.15	?	34.46	4.00
		Sherrghati	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.15	?	28.69	4.00
	Patna	Rajauli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.02	?	17.94	4.00
		PakriBarawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	31.90	4.00
		Patna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.07	0.25	51.59	4.00
	Monghyr	Dumra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.07	0.17	?	4.00
		Behar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.19	0.27	41.29	4.00
		Barrh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.20	0.25	36.03	4.00
CENTRAL NAGPUR.	South Bhagulpore	Bickram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.20	?	41.48	4.00
		Hilsa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.38	?	35.04	4.00
		Begooesri	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.05	0.16	47.75	4.00
	Sonthal Pergunnahs.	Monahyr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.05	0.21	41.77	4.00
		Jaunpur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.16	0.32	39.28	4.00
		Gogri	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.16	?	59.19	4.00
	Lohardugga	Sheikhpura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.16	?	43.30	4.00
		Bhagulpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.16	?	45.08	4.00
		Banks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.14	0.25	38.48	4.00
	Singhbhum	Kolgaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.14	?	46.97	4.00
		Bangson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.14	?	?	4.00
		Rajmehar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.07	0.26	59.97	4.00
	Manbhum	Godda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.70	0.32	49.74	4.00
		Pakour	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.34	0.37	78.83	4.00
		Nya Doonka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.33	0.58	57.10	4.00
SOUTH BEHAR	Hazaribagh	Dooghur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.42	0.51	40.22	4.00
		Jamuna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.42	0.60	40.66	4.00
		Mohagama	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.42	?	?	4.00
	Lohardugga	Namhat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.42	?	?	4.00
		Pachamba	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.34	0.05	39.24	4.00
		(Girdi)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.34	0.50	49.51	4.00
	Singhbhum	Hazaribagh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.43	1.01	36.95	4.00
		Semesturah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.74	0.70	?	4.00
		Mahudi Hills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.40	0.72	43.40	4.00
	Lohardugga	Jhoomra Hills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.67	?	32.03	4.00
		Barhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	1.05	?	47.99	4.00
		Chitra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.70	?	49.05	4.00
	Singhbhum	Karagaha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.70	?	?	4.00
		Rampahar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.70	?	?	4.00
	Singhbhum	Lohardugga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	1.49	0.58	46.73	4.00
		Ranchi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.02	0.95	50.23	4.00
		Palamow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.99	0.52	55.12	4.00
SOUTH BEHAR	Singhbhum	Silla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.40	?	34.20	4.00
		Batumat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	?	?	?	4.00
		Hosseinabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.39	?	48.70	4.00
	Singhbhum	Gareah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.66	?	29.43	4.00
		Chyebassa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	1.05	0.92	42.51	4.00
		Chakradhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	?	?	?	4.00
	Singhbhum	Chattilla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.13	?	60.53	4.00
		Baharagura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	3.47	?	57.27	4.00
		Parnala	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	1.19	0.34	44.48	4.00
	Singhbhum	Golindpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.96	0.42	34.95	4.00
		Kaparnath	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.80	?	46.22	4.00
		Barrahoon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.41	?	?	4.00
	Singhbhum	Jhanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	1.50	?	45.92	4.00
		Chag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.38	?	51.90	4.00
		Chag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.38	?	59.42	4.00

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 25th March 1890.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 21st
OF MARCH 1890.**

THE period of unsettled weather, which included the greater part of the preceding week, continued during the present one, the thunderstorms accompanied by showers being most frequent in the early part of the week in the southern districts. The disturbed conditions gradually passed eastwards, and while scattered storms with light rain occurred in most of the districts, frequent showers were reported from East Bengal only during the last few days. At first there was generally low pressure, which became intensified in North Bengal in the middle of the week, and though rather large changes were reported, defect continued with a tendency to increase towards the end.

On the 15th, the first day of the week, there was a rather diffused low-pressure area overlying the greater part of Bengal, and deepening towards the foot of the hills. Strong winds, generally southerly in direction, were blowing in the north-west corner of the Bay and at most of the inland stations, while temperature changes, as well as the distribution relative to the normal, were somewhat irregular. On the 16th the fall of pressure, which had been going on for some days, ceased and was followed by a general rise, very rapid in North Bengal but diminishing towards the south, till in South Bengal it was only two or three-hundredths of an inch. The centre of the diffused low-pressure area was then near Bhagulpore, and the wind circulation tended towards that point, being southerly in the lower districts, east in North Bengal, and from south-west to north-west in Behar. The difference from normal pressure was very uniform, exceeding a tenth of an inch in South Bengal and along the west coast of the Bay, while it was very little less over the rest of the province. During these two days thunderstorms were numerous in Orissa and East Bengal, accompanied by heavy showers in the former, but as a rule giving only light falls in the latter. From the 16th rain almost entirely ceased in Orissa, there being only a few scattered showers in the Balasore district during the remainder of the week. On the 17th pressure again began to fall very rapidly in Chutia Nagpur, Behar, and the northern half of South-West Bengal. The depression was more distinct, having its centre still near Bhagulpore with a similar wind circulation, except that the velocity, which had begun to fall off on the previous day, again increased. Temperature was rising and was from one to three degrees in excess. The only rainfall on this day was in East Bengal, where, however, it was more heavy and general than before. On the 18th pressure increased about a twentieth of an inch in the centre of the province, the depression partially filling up, but wind directions remained unchanged. Temperature changed irregularly, falling in North Bengal and Behar, and rising four to five degrees in East Bengal, where there were again light showers of rain. On the 20th there was a similar increase of pressure preceded by small irregular changes on the 19th and followed by a rapid fall on the 21st. During these three days defect in pressure generally ranged from a twentieth to a tenth of an inch, and the indraught towards the centre of the province continued. Rain showers were very light and scattered except on Thursday, the 20th, in South-West and East Bengal. Temperature continued to rise, and by the end of the week was from two to five degrees in excess of the normal.

Pressure—Has been subject to large and frequent changes, but has been considerably below the normal throughout the whole week. The largest defect was slightly over a tenth of an inch in South-West Bengal, and the lowest eight-hundredths of an inch in part of South-West and East Bengal.

Temperature—Has been generally rising, and the means at the different stations are all in excess by amounts ranging up to four degrees. The excess in the means for North Bengal and South Behar is over 2° and for the other districts over 1° excepting Orissa, where it is 0.6°. The highest observed during the week was 98.4° in South Behar, and the lowest 54.9° in North Behar.

The actual temperatures during the week, the range from day to night, and their variation from the normals, are seen in the following table, where the average maximum, minimum and mean temperatures at nine typical stations in different districts in the province are given together with their normal values:—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 21st March 1890.

	Normal mean maximum temperature for the week ending 21st March.	Actual mean maximum temperature for the week ending 21st March 1890.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 21st March.	Actual mean minimum temperature for the week ending 21st March 1890.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 21st March.	Actual mean daily temperature for the week ending 21st March 1890.	Variation of actual mean from the normal.
Cuttack	96.3	93.6	-2.7	73.7	75.1	+1.4	85.0	84.4	-0.6
Calcutta	90.3	90.9	+0.6	70.8	73.2	+2.4	80.6	82.1	+1.5
Dacca	90.3	91.5	+1.2	69.2	70.1	+0.9	79.7	80.3	+0.6
Burdwan	94.1	95.0	+0.9	69.3	71.1	+1.8	81.7	83.0	+1.3
Patna	91.5	93.3	+1.8	63.8	66.5	+2.7	77.6	79.9	+2.3
Gya	94.5	94.3	0	66.0	68.3	+2.3	80.2	81.3	+1.1
Purnea	91.0	90.1	-0.9	69.0	67.5	-1.5	75.5	76.3	+0.8
Muzaribagh	89.4	89.9	+0.5	64.4	66.9	+2.5	76.9	78.4	+1.5
Darjeeling	57.1	55.1	-2.0	43.3	42.0	-1.3	50.2	48.6	-1.6

Rainfall.—As stated above, almost all the rain that has fallen during the week has been in Orissa and East Bengal: in the former during the first two days, but continuing in the latter till the end, the only day when frequent showers were not received there being Wednesday. The days when showers were most numerous in East Bengal were Tuesday and Thursday, but the falls were generally under half an inch, though some reported more than an inch and-a-half. The averages for Orissa, East Bengal, and North Bengal are above the normal, East Bengal having received 1·6 inches, nearly three times the normal amount for the week, Orissa 0·95 inch, and North Bengal 0·27 inch. In the other districts the falls have been very scanty, under a tenth of an inch in all, while in North Behar no rain whatever has fallen.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 21st of March 1890:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.				Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 1st May 1899.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average.		Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.	
Orissa	97·9	70·1	85·4	75·8	82·1	+0·6	0·95	0·28	+0·67	1·5	0·6	+0·9	2·16	0·74	64·31	55·11	
South-West Bengal ...	98·1	82·0	93·7	71·9	82·8	+1·8	0·07	0·26	-0·19	0·3	0·6	-0·3	0·57	0·80	53·38	53·59	
East Bengal	92·6	65·0	80·8	70·9	78·8	+1·0	1·09	0·57	+1·03	2·7	0·9	+1·8	1·90	1·70	78·50	77·01	
North Bengal	94·7	58·9	80·6	65·6	78·1	+2·5	0·27	0·17	+0·10	0·7	0·5	+0·2	0·31	0·27	73·85	71·57	
North Behar	93·3	54·9	80·4	62·1	76·3	+1·1	Nil	0·05	-0·05	0·0	0·3	-0·3	0·10	0·28	58·00	40·10	
South Behar	95·4	60·7	80·4	67·3	80·3	+2·1	0·02	0·08	-0·06	0·4	0·3	+0·1	0·26	0·33	44·44	44·03	
Chuttia Nagpur	93·8	61·8	89·3	66·1	77·7	+1·2	0·05	0·16	-0·11	0·3	0·4	-0·1	1·02	0·72	41·10	50·96	

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 25th March 1890.

C. LITTLE,
For Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 16th to 22nd March 1890.

MONTH.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	TEMPERATURE.						HYGROMETRY.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
Mar. 1890 ...	16th ...	29·806	80·9	91·5	21·2	70·3	84·1	75·0	·747	70·5	64	Nil
" " ...	17th ...	·794	82·3	90·5	16·5	74·0	85·6	78·5	·881	75·4	72	"
" " ...	18th ...	·837	83·2	93·5	20·7	72·8	86·0	72·4	·614	64·8	49	"
" " ...	19th ...	·874	81·9	90·0	16·2	73·8	84·6	77·5	·849	74·3	72	"
" " ...	20th ...	·846	84·7	94·5	19·7	74·6	86·2	78·5	·872	75·1	70	"
" " ...	21st ...	·817	86·8	96·2	18·9	77·3	87·6	80·7	·956	77·9	73	"
" " ...	22nd ...	·798	85·9	96·0	20·2	75·8	87·1	77·0	·793	72·3	62	"

The mean 10 A.M. pressure of the seven days Inches.
29·825

The mean temperature of the seven days 83·7

The extreme variation of temperature 25·9

The maximum temperature 96·2

The mean 10 A.M. relative humidity of the seven days 66

The total fall of rain from 16th to 22nd March 1890 Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

METEOROLOGICAL OFFICE, INDIA;
The 24th March 1890.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 16th to 22nd March 1890.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1890.		°		Inches.	°	°	°	°	°	Inches.	°	%			Inches.	
March	16th	144.9	9.6	29.755	80.6	90.1	20.4	69.7	72.6	0.699	68.6	68	SSW and variable ...	89	Nil	Clear.
"	17th	146.8	8.3	729	81.9	89.3	16.1	73.2	77.2	.876	75.2	81	SSW and S ...	244	"	Partially cloudy.
"	18th	145.3	9.3	769	82.1	92.7	19.5	73.2	72.4	.667	67.2	61	SW and SSW ...	122	"	Clear.
"	19th	145.5	8.6	815	82.0	89.1	16.0	73.1	76.3	.833	73.7	77	SSW and S ...	200	"	Partially cloudy, d, o, t, <.
"	20th	146.3	9.0	771	83.2	93.5	18.8	74.7	77.0	.846	74.2	75	SSW and SW ...	179	0.01	Partially cloudy, o, d.
"	21st	148.3	10.0	752	84.7	95.5	20.4	75.1	78.3	.884	75.5	76	SSW and WSW ...	103	Nil	Chiefly clear, d.
"	22nd	145.5	10.3	729	84.0	94.5	19.5	75.0	76.8	.826	73.5	71	SSW and SW ...	115	"	Clear, d, =

The mean pressure of the seven days ... 29.759

The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 29.817

The total number of hours of bright sunshine ... 65.1

The maximum possible number of hours of sunshine ... 84.3

The mean temperature of the seven days ... 82.6

The average temperature of the corresponding period for 24 years, S.-G.'s Office ... 81.2

The extreme variation of temperature ... 25.8

The maximum temperature ... 95.5

The highest velocity of the wind in one hour ... 16

The highest pressure of wind on one square foot ... Approximately 3

The mean relative humidity ... 73

The average relative humidity of the corresponding period for 24 years, S.-G.'s Office ... 64

The total fall of rain from 16th to 22nd March 1890 ... 0.01

The average fall of the corresponding period for 24 years, S.-G.'s Office ... 0.26

The total fall from 1st January to 22nd March 1890 ... 1.10

The average fall of the corresponding period for 24 years, S.-G.'s Office ... 2.57

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

d dew, o overcast, d drizzling rain, t thunder, < lightning, = fog.

O. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;

Calcutta, the 24th March 1890.

MEMORANDUM.

THE returns of vital statistics received from the principal Municipalities in Bengal during the week ending 8th March 1890, disclose the following results:—

1. That the birth-rate in these Municipalities amounted to 19 per 1,000 of population, against 18.5 per 1,000 during the preceding week ending 1st March, and the death-rate to 20.2, against very nearly the same ratio, viz., 20.1 per 1,000.

2. That the following Municipalities furnished the highest proportions of births and deaths:—

Births.				Deaths.			
			Ratio per mille.				Ratio per mille.
Comillah	...	...	40.2	Poori	...	...	96.5
Burbhanga	...	...	37.8	Utterpara	...	...	66.1
Narainganj	...	...	37.3	Narainganj	...	...	68.0
Monghyr	...	...	33.4	Comillah	...	...	57.8
Hughli and Chinsurah	...	...	31.2	Ranaghat	...	...	35.5
				Rampore Beaulah	...	...	34.2
				Serampore	...	...	33.4
				Hughli and Chinsurah	...	...	32.8

3. That the mortality from the registered death-causes does not exhibit any noticeable differences in comparison with the death-rates from the same diseases during the preceding week, *vide* figures given below:—

				Ratio per mille during the weeks ending—	
				8th March 1890.	1st March 1890.
Cholera	...	...	...	3.5	2.9
Small-pox	...	...	...	.5	1.0
Fever	...	...	...	7.4	7.4
Bowel-complaints	...	...	...	2.4	2.5
Injury	...	...	...	.5	.6
Other causes	...	...	...	5.9	5.7

4. That cholera and the maladies classed under the head of "Other causes" proved conspicuously fatal in the following Municipalities:—

Cholera.				Other causes.			
			Ratio per mille.				Ratio per mille.
Utterpara	...	...	47.2	Ranaghat	...	...	23.9
Poori	...	...	46.1	Comillah	...	...	15.4
Narainganj	...	...	37.3	Hughli and Chinsurah	...	...	13.1
Comillah	...	...	30.8	Serampore	...	...	11.8
Monghyr	...	...	6.3				
Gya	...	...	4.8				
Howrah	...	...	4.0				

Of the other diseases, small-pox and bowel-complaints prevailed most virulently in the town of Poori, and carried off 16.8 and 10.5 per 1,000 of population, respectively, while fever caused great loss of life in Rampore Beaulah, the mortality amounting to 26.3 per 1,000.

5. That the mortality according to Sex, Class and Age stood as follows:—

According to Sex.			According to Class.			According to Age.		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males	...	22.1	Christians	...	14.9	Under 1 year	...	131.1
Females	...	18.2	Hindus	...	20.5	1 and under 5 years	...	25.7
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population	...	121	Mahomedans	...	19.8	5 " 10 "	...	8.9
						10 " 15 "	...	6.5
						15 " 20 "	...	10.9
						20 " 30 "	...	14.0
						30 " 40 "	...	17.8
						40 " 50 "	...	12.0
						50 " 60 "	...	23.5
						60 years and upwards	...	58.5

W. H. GREGG, Dip. Publ. Health, Camb.,

The 25th March 1890.

Sanitary Commissioner for Bengal.

DISTRICTS.		NAMES OF MUNICIPALITIES.		POPULATION.			BIRTHS.				MORTALITY ACCORDING TO—												Sex.		Ratio of male deaths to every 100 female deaths, calculated on the proportion to the total male and female population.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
				Total.		NUMBER OF—		RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male births to every 100 female births.		DISEASES.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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												Males.	Females.	Total.	Males.	Females.	Total.	Cholera.	Small-pox.	Typhoid.	Bowel-complaints.	Injury.				Other diseases.	All causes.	Cholera.	Small-pox.	Typhoid.	Bowel-complaints.	Injury.	Other diseases.	All causes.	RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of deaths per 1,000 of population per annum in the previous week.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Burdwan	Burdwan	13,063	16,617	34,680	4	10	19	137	153	290	111	...	2	11	2</

PUBLIC WORKS DEPARTMENT, —BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthce, Jellinghee, and Brahmapootra for the month of December 1889.

RIVER GANGES.																							
Mirzapur.		Benares.		Buxar.		Dinapur.		Monghyr.		Sahebgunge.		Rampore Beasleah.		Goalundo.		RIVER BHAHMAPOOTRA.		RIVER JELLINGHEE.		RIVER GOWHATY.			
Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.		
543	211.04	417	200.97	432	173.97	979	143.95	804	164.80	975	70.75	579	47.59	570	14.44	633	40.07	717	11.47	230	151.95		
535	211.05	408	200.88	422	173.97	960	143.95	796	163.87	967	70.67	570	47.59	568	14.49	617	39.21	692	11.22	230	150.96		
525	211.47	400	200.80	412	173.88	955	143.78	788	164.73	958	70.58	565	47.45	568	14.93	608	38.91	671	11.91	230	150.80		
517	211.39	392	200.72	402	173.80	950	143.78	779	164.64	950	70.50	563	47.33	563	13.86	600	38.74	660	11.22	200	150.75		
500	211.22	383	200.63	392	173.72	945	143.58	770	164.60	940	70.40	559	47.19	559	13.77	592	38.58	640	11.39	200	150.75		
492	211.14	375	200.55	382	173.64	940	143.58	761	164.52	930	70.30	556	47.07	556	13.68	583	38.41	620	11.93	180	150.55		
483	211.05	367	200.47	372	173.56	935	143.38	752	164.43	920	70.20	551	46.95	551	13.59	575	38.24	600	11.93	180	150.55		
475	210.97	359	200.39	362	173.48	930	143.38	743	164.35	910	70.10	546	46.83	546	13.50	568	38.07	580	11.93	180	150.55		
467	210.89	350	200.30	352	173.40	925	143.18	734	164.26	900	70.00	541	46.71	541	13.41	560	37.90	560	11.93	180	150.55		
459	210.80	342	200.22	344	173.32	920	143.18	725	164.18	890	70.00	536	46.59	536	13.32	553	37.73	540	11.93	180	150.55		
451	210.72	334	200.14	336	173.24	915	143.18	716	164.10	880	70.00	531	46.47	531	13.23	546	37.56	520	11.93	180	150.55		
443	210.64	326	200.06	328	173.16	910	143.18	707	164.02	870	70.00	526	46.35	526	13.14	540	37.39	500	11.93	180	150.55		
435	210.56	318	199.98	320	173.08	905	143.18	698	163.94	860	70.00	521	46.23	521	13.05	533	37.22	480	11.93	180	150.55		
427	210.48	310	199.90	312	173.00	900	143.18	689	163.86	850	70.00	516	46.11	516	12.96	527	37.05	460	11.93	180	150.55		
419	210.40	302	199.82	304	172.92	895	143.18	680	163.78	840	70.00	511	45.99	511	12.87	520	36.88	440	11.93	180	150.55		
411	210.32	294	199.74	296	172.84	890	143.18	671	163.70	830	70.00	506	45.87	506	12.78	513	36.71	420	11.93	180	150.55		
403	210.24	286	199.66	288	172.76	885	143.18	662	163.62	820	70.00	501	45.75	501	12.69	506	36.54	400	11.93	180	150.55		
395	210.16	278	199.58	280	172.68	880	143.18	653	163.54	810	70.00	496	45.63	496	12.60	500	36.37	380	11.93	180	150.55		
387	210.08	270	199.50	272	172.60	875	143.18	644	163.46	800	70.00	491	45.51	491	12.51	493	36.20	360	11.93	180	150.55		
379	210.00	262	199.42	264	172.52	870	143.18	635	163.38	790	70.00	486	45.39	486	12.42	487	36.03	340	11.93	180	150.55		
371	209.92	254	199.34	256	172.44	865	143.18	626	163.30	780	70.00	481	45.27	481	12.33	480	35.86	320	11.93	180	150.55		
363	209.84	246	199.26	248	172.36	860	143.18	617	163.22	770	70.00	476	45.15	476	12.24	473	35.69	300	11.93	180	150.55		
355	209.76	238	199.18	240	172.28	855	143.18	608	163.14	760	70.00	471	45.03	471	12.15	466	35.52	280	11.93	180	150.55		
347	209.68	230	199.10	232	172.20	850	143.18	599	163.06	750	70.00	466	44.91	466	12.06	460	35.35	260	11.93	180	150.55		
339	209.60	222	199.02	224	172.12	845	143.18	590	162.98	740	70.00	461	44.79	461	11.97	455	35.18	240	11.93	180	150.55		
331	209.52	214	198.94	216	172.04	840	143.18	581	162.90	730	70.00	456	44.67	456	11.88	450	35.01	220	11.93	180	150.55		
323	209.44	206	198.86	208	171.96	835	143.18	572	162.82	720	70.00	451	44.55	451	11.79	445	34.84	200	11.93	180	150.55		
315	209.36	198	198.78	200	171.88	830	143.18	563	162.74	710	70.00	446	44.43	446	11.70	440	34.67	180	11.93	180	150.55		
307	209.28	190	198.70	192	171.80	825	143.18	554	162.66	700	70.00	441	44.31	441	11.61	435	34.50	160	11.93	180	150.55		
299	209.20	182	198.62	184	171.72	820	143.18	545	162.58	690	70.00	436	44.19	436	11.52	430	34.33	140	11.93	180	150.55		
291	209.12	174	198.54	176	171.64	815	143.18	536	162.50	680	70.00	431	44.07	431	11.43	425	34.16	120	11.93	180	150.55		
283	209.04	166	198.46	168	171.56	810	143.18	527	162.42	670	70.00	426	43.95	426	11.34	420	33.99	100	11.93	180	150.55		
275	208.96	158	198.38	160	171.48	805	143.18	518	162.34	660	70.00	421	43.83	421	11.25	415	33.82	80	11.93	180	150.55		
267	208.88	150	198.30	152	171.40	800	143.18	509	162.26	650	70.00	416	43.71	416	11.16	410	33.65	60	11.93	180	150.55		
259	208.80	142	198.22	144	171.32	795	143.18	500	162.18	640	70.00	411	43.59	411	11.07	405	33.48	40	11.93	180	150.55		
251	208.72	134	198.14	136	171.24	790	143.18	491	162.10	630	70.00	406	43.47	406	10.98	400	33.31	20	11.93	180	150.55		
243	208.64	126	198.06	128	171.16	785	143.18	482	162.02	620	70.00	401	43.35	401	10.89	395	33.14	0	11.93	180	150.55		
235	208.56	118	197.98	120	171.08	780	143.18	473	161.94	610	70.00	396	43.23	396	10.80	390	32.97	0	11.93	180	150.55		
227	208.48	110	197.90	112	171.00	775	143.18	464	161.86	600	70.00	391	43.11	391	10.71	385	32.80	0	11.93	180	150.55		
219	208.40	102	197.82	104	170.92	770	143.18	455	161.78	590	70.00	386	42.99	386	10.62	380	32.63	0	11.93	180	150.55		
211	208.32	94	197.74	96	170.84	765	143.18	446	161.70	580	70.00	381	42.87	381	10.53	375	32.46	0	11.93	180	150.55		
203	208.24	86	197.66	88	170.76	760	143.18	437	161.62	570	70.00	376	42.75	376	10.44	370	32.29	0	11.93	180	150.55		
195	208.16	78	197.58	80	170.68	755	143.18	428	161.54	560	70.00	371	42.63	371	10.35	365	32.12	0	11.93	180	150.55		
187	208.08	70	197.50	72	170.60	750	143.18	419	161.46	550	70.00	366	42.51	366	10.26	360	31.95	0	11.93	180	150.55		
179	208.00	62	197.42	64	170.52	745	143.18	410	161.38	540	70.00	361	42.39	361	10.17	355	31.78	0	11.93	180	150.55		
171	207.92	54	197.34	56	170.44	740	143.18	401	161.30	530	70.00	356	42.27	356	10.08	350	31.61	0	11.93	180	150.55		
163	207.84	46	197.26	48	170.36	735	143.18	392	161.22	520	70.00	351	42.15	351	9.99	345	31.44	0	11.93	180	150.55		
155	207.76	38	197.18	40	170.28	730	143.18	383	161.14	510	70.00	346	42.03	346	9.90	340	31.27	0	11.93	180	150.55		
147	207.68	30	197.10	32	170.20	725	143.18	374	161.06	500	70.00	341	41.91	341	9.81	335	31.10	0	11.93	180	150.55		
139	207.60	22	197.02	24	170.12	720	143.18	365	160.98	490	70.00	336	41.79	336	9.72	330	30.93	0	11.93	180	150.55		
131	207.52	14	196.94	16	170.04	715	143.18	356	160.90	480	70.00	331	41.67	331	9.63	325	30.76	0	11.93	180	150.55		
123	207.44	6	196.86	8	170.00	710	143.18	347	160.82	470	70.00	326	41.55	326	9.54	320	30.59	0	11.93	180	150.55		
115	207.36	0	196.78	0	170.00	705	143.18	338	160.74	460	70.00	321	41.43	321	9.45	315	30.42	0	11.93	180	150.55		
107	207.28	0	196.70	0	170.00	700	143.18	329	160.66	450	70.00	316	41.31	316	9.36	310	30.25	0	11.93	180	150.55		
99	207.20	0	196.62	0	170.00	695	143.18	320	160.58	440	70.00	311	41.19	311	9.27	305	30.08	0	11.93	180	150.55		
91	207.12	0	196.54	0	170.00	690	143.18	311	160.50	430	70.00	306	41.07	306	9.18	300	29.91	0	11.93	180	150.55		
83	207.04	0	196.46	0	170.00	685	143.18	302	160.42	420	70.00	301	40.95	301	9.09	295	29.74	0	11.93	180	150.55		
75	206.96	0	196.38	0	170.00	680	143.18	293	160.34	410	70.00	296	40.83	296	9.00	290	29.57	0	11.93	180	150.55		

CALCUTTA,
The 25th March 1890.G. A. G. SHAW, E.
Under-Secretary to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 22nd March 1890,
as compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 22ND MARCH 1890.			WEEK ENDING SATURDAY, THE 23RD MARCH 1889.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	905	1,99,735	3,250	659	1,58,550	2,626
Jute	35	26,875	483	20	13,550	233
Firewood	111	55,175	880	160	66,175	865
Other articles	958	2,56,550	3,701	1,006	2,84,235	4,523
Total	2,009	5,39,335	8,320	1,845	5,22,510	8,247

Bengal Central Railway.

*Abstract of principal commodities carried over the Bengal Central Railway during the month of
December 1889, as compared with the same month of the previous year.*

STAPLES.	1889.		1888.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1889.	1888.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.		
Coal	1,157	99	3,606	13	1,256	3,619	3	2,363
Cotton, raw	2	1	...	...	3	...	3	...
Cotton, twist and yarn—								
1.—European	...	...	...	...	...	...	...	...
2.—Indian	...	...	...	...	...	...	...	...
Cotton piece-goods—								
1.—European—								
a.—in bales and bundles	508	6	183	1	614	186	328	...
b.—in boxes	...	...	...	...	...	...	...	...
2.—Indian—								
a.—in bales and bundles	...	...	...	...	...	...	...	...
b.—in boxes	...	...	...	...	...	...	...	...
Grains—								
2.—Rice	28	118	2	72	140	74	72	...
5.—Others	87	15	21	61	102	82	20	...
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	...	...	...	...	...	...	...	...
b.—Undressed	...	...	...	...	...	...	...	...
2.—Skins of sheep, &c.—	...	46	...	28	46	28	18	...
a.—Dressed	...	...	...	...	...	...	...	...
b.—Undressed	...	...	...	...	...	...	...	...
Jute—								
1.—Raw—								
a.—Unscrowed	15	1,637	...	1,585	1,652	1,585	67	...
2.—Gunny bags and cloth	9	...	2	...	9	2	7	...
Metals—								
1.—Copper, unwrought...	...	...	...	...	...	...	...	...
2.—Brass, unwrought	...	...	...	...	...	...	...	...
3.—Brass and copper, wrought	...	...	...	...	...	...	...	...
4.—Iron	68	12	48	61	80	109	...	29
5.—Tin	...	...	...	...	...	...	...	...
6.—Others	...	...	...	...	...	...	...	...
Oils—								
2.—Kerosine	106	...	67	...	106	67	39	...
3.—Others	76	...	25	1	75	30	45	...
Oilseeds—								
1.—Linseed	...	...	...	...	...	...	...	...
2.—Rape and mustard	...	...	...	...	...	...	...	...
3.—Til or gingelly	...	...	...	...	...	...	...	...
4.—Niger	13	43	59	16	56	75	...	19
5.—Castor	...	...	...	...	...	...	...	...
6.—Poppy	...	...	...	...	...	...	...	...
7.—Others	...	...	...	...	...	...	...	...
Provisions—								
2.—Betel-nuts	9	739	...	136	748	136	612	...
3.—Others	26	22	41	23	58	64	...	6
Railway plant and rolling-stock	21	45	19	19	60	38	28	...
Salt	246	...	166	...	246	166	80	...
Sugar—								
1.—Drained	...	...	...	...	...	...	...	...
2.—Undrained	60	110	7	178	176	185	...	9
Wood—								
1.—Timber	...	...	12	...	...	12	...	12
2.—Firewood	...	...	...	...	...	...	...	...
Tobacco	26	89	21	11	114	32	82	...
All other articles of merchandise—								
1.—Unmanufactured	...	...	...	...	...	...	...	...
2.—Manufactured	411	145	318	182	556	560	56	...
Total	3,883	3,126	4,603	2,387	6,000	6,990	1,457	2,439

Comparative Statement of traffic, Bengal Central Railway, for December 1889.

	DECREASES.	Tons.
Coal	...	2,663
Mostly in coal for brick burning, it is believed.		
	INCREASES.	Tons.
Betel-nuts	...	612
Ordinary fluctuation.
Cotton piece-goods	...	328
Ordinary fluctuation.

CALCUTTA, the 24th March 1890.

F. P. QUINLAN,
Examiner of Accounts.

Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of December 1889, as compared with the same month of the previous year.

STAPLES.	1889.		1888.		TOTAL.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1889.	1888.		
Coal	Tons. 8,026	Tons. 1,889	Tons. 11,037	Tons. 3,557	Tons. 10,806	Tons. 14,594	Tons. 413	Tons. 3,788
Cotton, raw	47	830	105	359	877	464	413	413
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—in bales and bundles	3,639	88	2,948	135	3,727	2,463	1,244	1,244
b.—in boxes								
2.—Indian—								
a.—in bales and bundles								
b.—in boxes								
Grains—								
2.—Rice	2,217	2,503	1,237	2,526	5,020	3,783	1,237	1,237
3.—Others	1,041	6,756	799	5,240	7,797	6,039	1,758	1,758
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—								
a.—Dressed	5	662	8	628	607	636	31	31
b.—Undressed								
Jute—								
1.—Raw—								
a.—Screwed	5	7,228		3,049	7,233	3,649	3,584	3,584
b.—Unscrowed	22	42,563	33	35,442	42,585	35,475	7,110	7,110
2.—Gunny-bags and cloth	327	1,712	135	1,358	2,039	1,496	543	543
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought								
4.—Iron	1,561	153	953	171	1,713	1,124	589	589
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	482	8	417	6	490	423	67	67
3.—Others	220	72	135	52	292	187	105	105
Oilseeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger								
5.—Castor	72	2,452	79	1,081	2,534	1,151	1,373	1,373
6.—Poppy								
7.—Others								
Provisions—								
2.—Betelnuts	158	755	103	140	913	252	661	661
3.—Others	532	365	475	371	897	841	56	56
Railway plant and rolling-stock	5,093	6,163	3,906	1,440	11,256	5,355	5,901	5,901
Salt	5,080	2	3,721	9	5,088	3,730	1,358	1,358
Sugar—								
1.—Drained	1,201	127	603	219	1,418	822	596	596
2.—Undrained								
Tea—								
1.—Foreign		1,917	1	1,379	1,917	1,580	337	337
2.—Indian								
Wood—								
1.—Timber	189	54	196	73	243	179	64	64
2.—Firewood	1,031		1,966	44	1,951	2,010	59	59
Tobacco	47	739	49	1,102	786	1,211	425	425
All other articles of merchandise—								
1.—Unmanufactured	4,598	2,295	3,748	1,909	6,033	5,657	376	376
2.—Manufactured	355		540		355	540	185	185
Hay, straw, and wooloo (C. & S. B. Section)								
Total	37,614	79,623	32,518	61,168	1,17,267	93,686	23,581	23,581

Comparative Statement of the principal commodities carried by the Eastern Bengal State Railway during the month of December 1889.

INCREASES.

Cotton, raw	Tons. 413
Chiefly from C. P. T. Railway, Goalando, and Atrai.	
Cotton piece-goods	1,244
The increase is general, and appears to be due to the partial recovery of a congested market.	
Rice	1,237
Due to a brisk demand for Assam and the Calcutta market.	
Jute, screwed	3,584
Do., unscrowed	7,110
The season is a later one than last year.	
Seeds	1,373
The crop is a good one.	
Railway plant and rolling-stock	5,901
Repairs and renewals.	
Salt	1,358
Principally from C. P. T. Railway.	
Tea	337
Principally from Jalpaigari, due to the increasing yield of the Doorga gardens.	

DECREASES.

Coal	3,788
Less demand for brick-burning and fluctuation in supply for railway purposes.	
Tobacco	425
Decreased despatches from Northern Section.	

F. P. QUINLAN,

Examiner of Accounts.

CALCUTTA, the 24th March 1890.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 15th March 1890, on 1,525½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	256,854*	Rs. A. P. 2,87,280 7 0	Mds. s. 25,80,982 10	Rs. A. P. 6,09,886 10 0	Rs. A. P. 19,438 9 0	Rs. A. P. 9,16,605 13 0	65,291	103,069½	168,360½
Or per mile of railway ...	.....	188 5 1	.....	399 12 9	12 11 10	600 18 8	.....	.....	.....
For previous 10 weeks of half-year ...	2,559,954	29,18,297 9 0	2,51,58,650 30	58,46,213 11 0	1,06,382 2 0	89,60,883 6 0	642,738½	999,233½	1,642,031½
Total for 11 weeks ...	2,816,808	31,05,578 0 0	2,77,38,633 0	64,56,100 5 0	2,15,820 11 0	98,77,499 0 0	708,029½	1,008,362½	1,716,392½
COMPARISON.									
Total for corresponding week of previous year ...	281,485½	3,19,160 13 7	26,34,614 20	5,95,403 0 11	16,280 8 6	9,30,844 7 0	69,368	94,775	164,143
Per mile of railway corresponding week of previous year ...	.....	209 3 6	.....	390 4 9	10 10 9	610 5 0	.....	.....	.....
Total to corresponding date of previous year ...	2,874,972	33,48,390 7 10	3,02,44,749 20	64,19,669 3 2	1,69,179 1 3	1,01,37,238 12 3	720,123	1,034,815	1,754,938

* The decrease in coaching traffic is due to figures for the corresponding period of 1889 having included traffic on account of "Gobind Dwadasi" (a bathing festival).

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 15TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 15TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 15TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 15TH MARCH 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
1,525½	Rs. 9,30,844	Rs. 610	1,525½	Rs. 9,16,606	Rs. 601	1,525½	Rs. 4,26,76,964	569	1,525½	Rs. 4,23,93,982	556	.....	2,82,982

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 15th March 1890, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	14,481	Rs. A. P. 7,236 1 0	Mds. s. 69,285 20	Rs. A. P. 3,715 2 0	Rs. A. P. 36 3 0	Rs. A. P. 10,987 6 0	1,829½	605	2,434½
Or per mile of railway ...	253	126 8 1	1,054 0	64 15 2	0 10 2	192 1 5	.....	.....	.....
For previous 10 weeks of half-year ...	119,061	64,123 6 0	3,71,343 20	24,507 0 0	435 11 0	89,066 1 0	17,197	6,854	24,051
Total for 11 weeks ...	134,682	71,359 7 0	4,31,529 0	28,222 2 0	471 14 0	1,00,053 7 0	19,024½	7,159	26,184½
COMPARISON.									
Total for corresponding week of previous year ...	29,365	12,132 2 0	33,963 16	2,295 7 0	68 11 9	14,486 4 9	2,035	874	2,909
Per mile of railway corresponding week of previous year ...	356	212 7 2	592 30	39 9 8	1 3 3	253 4 1	.....	.....	.....
Total to corresponding date of previous year ...	152,589	84,657 15 3	3,42,429 10	19,571 7 0	450 11 0	1,04,710 1 3	20,951	6,632	26,583

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 15TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 15TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 15TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 15TH MARCH 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
57½	Rs. 14,486	Rs. 253	57½	Rs. 12,987	Rs. 192	57½	Rs. 4,73,469	166	57½	Rs. 4,82,145	189	8,675	.....

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 15th March 1890, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	19,847	5,182 13 0	19,248 0	593 2 0	10 6 0	5,786 5 0	867	153	1,000
Or per mile of railway ...	.....	232 15 0	.....	26 10 6	0 7 5	260 0 11	.....	.....	.....
For previous 10 weeks of half-year ...	204,479	51,166 15 0	1,41,018 20	4,808 1 0	76 13 0	56,051 13 0	8,742	884	9,626
Total for 11 weeks ...	224,326	56,349 12 0	1,60,264 20	5,401 3 0	87 3 0	61,838 2 0	9,609	1,017	10,626
COMPARISON.									
Total for corresponding week of previous year ...	23,168	5,938 13 1	11,702 30	442 11 0	3 0 0	6,384 8 1	899	70	969
Per mile of railway corresponding week of previous year ...	.....	266 14 7	.....	19 14 4	0 2 2	286 15 1	.....	.....	.....
Total to corresponding date of previous year ...	244,007	63,470 1 10	1,06,356 0	3,757 0 0	67 13 3	67,294 15 1	9,911	715	10,626

Approximate Statement of gross receipts of the Tarkeessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 16TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 15TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 16TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 15TH MARCH 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
22½	Rs. 6,385	Rs. 287	22½	Rs. 5,786	Rs. 260	22½	Rs. 2,74,177	Rs. 246	22½	Rs. 2,63,511	Rs. 239	.....	Rs. 8,666

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 8th March 1890, on 747 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	220,050	87,710 0 0	5,46,780 0	22,200 0 0	17,450 0 0	1,97,420 0 0	23,158	28,254	51,412
Or per mile of railway ...	295	117 0 0	732 0	123 0 0	* 5 0 0	245 0 0	.....	.....	.....
For previous 9 weeks of half-year ...	1,348,100	6,95,830 0 0	53,29,400 0	10,71,500 0 0	1,56,810 0 0	19,24,140 0 0	197,737	275,467	473,204
Total for 10 weeks ...	1,568,150	7,83,540 0 0	58,76,180 0	11,63,700 0 0	1,74,260 0 0	21,21,500 0 0	220,915	303,711	524,626
COMPARISON.									
Total for corresponding week of previous year ...	200,161	55,333 0 0	4,85,342 0	77,379 0 0	16,927 0 0	1,79,639 0 0	21,656	22,698	44,354
Or per mile of railway corresponding week of previous year ...	267	127 0 0	721 0	115 0 0	* 4 0 0	246 0 0	.....	.....	.....
Total to corresponding date of previous year ...	1,491,425	7,99,184 0 0	49,11,604 0	9,96,500 0 0	1,76,798 0 0	18,82,572 0 0	214,628	251,440	466,068

* Excluding steamer earnings.
 a Due to Kancharpara meha return tickets issued at single fare.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 27TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 8TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 27TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 8TH MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Rs.	Rs.
Rs. 1,79,639	Rs. 267	747	Rs. 1,97,420	Rs. 264	673	Rs. 1,01,24,961	Rs. 267	727	* Rs. 1,03,89,640	Rs. 305	7,61,679	.....	.....

* Audited up to week ending 31st December 1889.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 8th March 1890, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	38,380	11,120 0 0	65,050 0	5,620 0 0	90 0 0	14,830 0 0	8,735	1,937	5,672
Or per mile of railway ...	307	89 0 0	525 0	29 0 0	1 0 0	119 0 0			
For previous 9 weeks of half-year ...	239,720	90,870 0 0	3,32,850 0	25,150 0 0	680 0 0	1,16,700 0 0	32,022	16,828	48,850
Total for 9 weeks ...	278,100	1,01,990 0 0	3,98,900 0	28,770 0 0	770 0 0	1,31,530 0 0	35,757	18,765	54,522
COMPARISON.									
Total for corresponding week of previous year ...	41,562	12,682 0 0	60,881 0	3,447 0 0	68 0 0	16,197 0 0	3,694	1,957	5,651
Per mile of railway corresponding period of previous year ...	333	101 0 0	487 0	28 0 0	.....	129 0 0			
Total to corresponding date of previous year ...	283,535	1,00,573 0 0	5,23,121 0	26,040 0 0	4,111 0 0	1,30,724 0 0	36,319	18,823	55,142

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 9TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 8TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 9TH MARCH 1889.		TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 8TH MARCH 1890.		Total increase in 1889-90.		Total decrease 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
125	Rs. 16,197	Rs. 129	125	Rs. 14,830	Rs. 119	125	Rs. 6,76,879	111	125	*6,90,981	113	Rs. 14,102

* Audited up to week ending 31st December 1889.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 8th March 1890, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	21,710	8,120 0 0	28,190 0	2,630 0 0	80 0 0	10,860 0 0	2,480	624	3,104
Or per mile of railway ...	252	95 0 0	328 0	30 0 0	1 0 0	126 0 0			
For previous 9 weeks of half-year ...	144,820	53,680 0 0	2,59,700 0	25,730 0 0	1,860 0 0	83,240 0 0	21,258	7,682	28,940
Total for 10 weeks ...	166,530	61,800 0 0	2,87,890 0	28,360 0 0	1,940 0 0	94,120 0 0	23,738	7,656	31,394
COMPARISON.									
Total for corresponding period of previous year ...	17,909	5,770 0 0	14,862 0	1,044 0 0	222 0 0	7,036 0 0	2,489	678	3,167
Per mile of railway corresponding period of previous year ...	298	67 0 0	173 0	12 0 0	3 0 0	82 0 0			
Total to corresponding date of previous year ...	155,771	48,260 0 0	1,22,132 0	11,684 0 0	1,068 0 0	61,612 0 0	24,159	6,884	31,043

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 9TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 8TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 9TH MARCH 1889.		TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 8TH MARCH 1890.		Total increase in 1889-90.		Total decrease 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
86	Rs. 7,036	Rs. 82	86	Rs. 10,860	Rs. 126	86	Rs. 2,85,686	86	86	*3,79,378	90	Rs. 94,292

* Audited up to week ending 31st December 1889.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 8th March 1890, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,423	1,139 0 0	16,723 0	£53 0 0	22 0 0	2,105 0 0	569	254	763
Or per mile of railway ...	126	41 0 0	577 0	35 0 0	1 0 0	77 0 0	...	...	...
For previous 9 weeks of half-year ...	28,590	10,308 0 0	1,16,093 0	7,350 0 0	413 0 0	18,071 0 0	4,363	4,401	8,554
Total for 9 weeks ...	32,013	11,438 0 0	1,31,816 0	8,393 0 0	435 0 0	20,176 0 0	4,872	4,745	9,617
COMPARISON.									
Total for corresponding week of previous year ...	4,461	1,709 0 0	15,157 0	£26 0 0	12 0 0	2,947 0 0	509	527	1,036
Per mile of railway corresponding week of previous year ...	164	63 0 0	555 0	34 0 0	...	97 0 0	...	...	...
Total to corresponding date of previous year ...	54,364	12,864 0 0	1,46,621 0	8,347 0 0	163 0 0	21,274 0 0	4,944	5,271	10,215

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 9TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 8TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 9TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 8TH MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	2,647	97	27½	2,105	77	27½	96,515	76	27½	96,157	76	...	328

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 15th March 1890, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,414	1,183 0 0	16,735 0	1,040 0 0	18 0 0	2,241 0 0	569	254	763
Or per mile of railway ...	125	43 0 0	614 0	38 0 0	1 0 0	82 0 0	...	...	...
For previous 9 weeks of half-year ...	32,364	11,534 0 0	1,31,700 0	8,318 0 0	435 0 0	20,287 0 0	4,872	5,126	9,998
Total for 10 weeks ...	35,718	12,717 0 0	1,48,435 0	9,358 0 0	453 0 0	22,528 0 0	5,351	5,380	10,761
COMPARISON.									
Total for corresponding week of previous year ...	3,960	1,530 0 0	6,902 0	513 0 0	18 0 0	2,061 0 0	509	635	1,144
Per mile of railway corresponding week of previous year ...	145	56 0 0	242 0	19 0 0	1 0 0	76 0 0	...	...	...
Total to corresponding date of previous year ...	38,324	14,394 0 0	1,53,223 0	8,760 0 0	181 0 0	23,335 0 0	5,453	5,906	11,359

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 16TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 15TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 16TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 15TH MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	2,061	76	27½	2,241	82	27½	98,576	75	27½	98,539	75	...	37

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 15th March 1890, on 273 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	45,003	17,463 0 0	2,51,853 0	28,253 0 0	3,369 0 0	40,024 0 0	6,251	8,086	14,337
Or per mile of railway ...	165	64 0 0	923 0	103 0 0	3 0 0	170 0 0*	.....	.....	.....
For previous 9 weeks of half-year ...	470,849	2,02,741 0 0	25,79,845 0	2,98,350 0 0	32,794 0 0	5,33,894 0 0	65,095	92,037	147,732
Total for 10 weeks ...	515,852	2,20,203 0 0	28,31,698 0	3,26,612 0 0	36,103 0 0	5,82,918 0 0	61,946	100,123	162,069
COMPARISON.									
Total for corresponding week of previous year ...	41,944	15,700 0 0	1,30,573 0	15,590 0 0	2,463 0 0	33,762 0 0	5,480	4,902	10,382
Per mile of railway corresponding week of previous year ...	154	57 0 0	480 0	57 0 0	1 0 0	115 0 0*	.....	.....	.....
Total to corresponding date of previous year ...	443,170	1,71,004 0 0	14,82,268 0	1,41,254 0 0	32,434 0 0	3,44,602 0 0	60,418	61,832	122,250

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 16TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 15TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 16TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 15TH MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
273	33,762	124	273	40,024	180	265.68	15,94,195	125	273	20,60,354	158	4,75,639	.....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 1st March 1890	Rs.
Corresponding period of 1889	9,708
Decrease	10,234
	526
Receipts per mile for week ending 1st March 1890	Rs. A. P.
Corresponding period of 1889	190 5 8
Decrease	200 10 11
	10 5 3
Receipts from 1st January to 1st March 1890	69,619
Corresponding period of 1889	67,022
Increase	2,597



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, APRIL 2, 1890.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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APPOINTMENT OF SUB-DEPUTY COLLECTORS DURING THE YEAR 1890.

APPOINTMENT DEPARTMENT.

Calcutta, the 27th March 1890.

RESOLUTION.

READ—

The Resolution, dated the 24th April 1889, regarding the recruitment of the Subordinate Executive Service.

Read—

The notification, dated the 1st June 1889, publishing the rules for the examination held in January 1890.

Agreeably to the orders contained in paragraph 18 of the Resolution and paragraph 8 of the notification read in the preamble, an examination was held in January last of the candidates for appointment as Sub-Deputy Collectors who had been registered in this office. Only eight candidates appeared at it, and the following gentlemen are declared to be eligible for appointment as Sub-Deputy Collectors during the year 1890:—

- 1 Babu Upendra Nath Ghosh, B.A.
- 2 „ Jnanendra Mohun Ghosh, B.A.
- 3 „ Krishna Lal Dey.
- 4 „ Debendro Prosad Roy.
- 5 „ Surendra Lal Mitra.

Four of the above named gentlemen—Babus Upendra Nath Ghosh, Jnanendra Mohun Ghosh, Krishna Lal Dey, and Debendro Prosad Roy—have been appointed to fill vacancies as Officiating Sub-Deputy Collectors of the fourth grade. The fifth gentleman, Babu Surendra Lal Mitra, is posted to the sudder station of the 24-Pergunnahs as a probationer on a subsistence allowance of Rs. 30 per mensem, and will be employed on general work of such a kind as may be allotted to him by the District Magistrate. On the expiration of the terms of the acting appointments of the four gentlemen named above, they will revert as probationers at the sudder stations of the districts in which they have been officiating, and will be similarly employed there by the District Magistrates.

ORDER.—Ordered that the above Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

JOHN EDGAR,

Chief Secretary to the Government of Bengal.

The 1st April, 1890.—The following is published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Government of Bengal.

POONA INDUSTRIAL MUSEUM—SALE BRANCH.

Rules under which goods from Merchants and Manufacturers will be admitted for sale.

1. There will be a Sale Section attached to the Poona Museum in which merchants, manufacturers and artisans will be allowed to keep for sale, on commission, such of their goods and productions as the Museum Committee will admit.

2. Merchants and manufacturers and artisans wishing to avail themselves of the benefits of the Sale Section of the Poona Museum must apply to the Committee in writing for accepting their goods for sale, and must express their consent in writing to abide by these or any other rules the Committee frames.

3. The quantity of the stock to be kept for sale will be determined by the Museum Committee.

4. The rates to be charged by the merchants and manufacturers to the Committee for the articles for sale shall be fixed before they are sent to the Museum, and they shall be the wholesale or trade rates.

5. The Committee will be at liberty to enhance the prices of the articles to cover transit charges, &c.

6. The Committee will ordinarily charge commission at 5 per cent. on the original prices of the goods sold—or at such rate as may be agreed upon between the Committee and the parties.

7. The amount, after deducting Committee's commission, realized by the sale of the articles will be remitted quarterly to the owner and the account adjusted at the end of the year.

8. Whenever it may be found that particular goods are not saleable at profit, they will be returned to the owners at their risk and cost, unless they desire to sell them off at the highest rates obtainable.

9. The Committee will not be responsible for any damages and losses during transit and any damages and losses by fire and other acts of God, whilst they are in the Committee's charge.

10. Notwithstanding anything contained in these rules or in the rules about the Museum, the Committee reserve to themselves the right of making special arrangements or contracts with individuals or firms.

11. Should any dispute arise between the constituents and the Committee, it shall be settled by arbitration. One arbitrator shall be chosen by each party and the two appointed shall nominate an umpire or sur-panch before proceeding with their work.

12. The Committee will undertake to distribute, on payment of reasonable fee, price lists, catalogues and samples amongst respectable merchants and gentlemen, in Poona or in the Deccan, as may be desired.

MUSEUM COMMITTEE'S OFFICE,

Poona, 26th November 1889.

D. J. GOKHALE.

N. B. KANITKER.

M. B. NAMJOSHI.

Honorary Secretaries.

BHADOI CROPS IN BENGAL, 1889.

The 28th March, 1890.—The following is published for general information.

CALCUTTA;
REVENUE DEPT.—Agri.,
The 28th March, 1890.

By order of the Lieut.-Governor of Bengal,
P. NOLAN,
Secretary to the Government of Bengal.

STATEMENT II.—Estimated outturn of Bhadoi harvest reaped in August, September and October, 1889.

1	2	3	4	5	6	7	8
DISTRICT.	Sub-division.	Total area of sub-division in square miles.	Total area estimated to be under cultivation in square miles.	Estimated area under bhadoi crops in square miles.	Names of principal bhadoi crops.	Estimated outturn of bhadoi crops expressed in annas.*	REMARKS.
Burdwan	Sudder	1,242	993	111	Aus, neali, and kele.	10 annas	Deficiency of rainfall; (a) ploughing time and (b) sowing time.
	Raneegunge	671	398	30	Ous, beri	13 "	There was deficient rain at ploughing time.
	Cutwa	332	285	22	Early paddy, viz.— Tara " Neali " Janti " Kele "	8 "	The crops were affected by deficiency of rain in ploughing, sowing and maturing time.
	Culna	432	350	60	Aus	10 "	(1) It was much affected this year for insufficient rainfall at ploughing and sowing time. (2) A little damage to this crop was done by flood in low lands.
	District Total	2,677	2,026	243	.....	10 annas.	
Bankura	Sudder	1,921	670	45	Early paddy, aus, kele, tarka chali, ganajul kala-kandi.	14 annas	Deficiency of rainfall in the month of Sravan (July–August) affected the full growth of these crops, which would otherwise have yielded an outturn above the average.
	Bishenpore	700	330	43	Early paddy, aus, and kele.	16 "	There would have been a bumper crop had there not been deficiency of rainfall at the sowing season.
	District Total	2,621	1,000	88	.....	15 annas.	
Borthoom	Sudder	1,108	777	173	Aus	10 annas	Deficiency of rainfall after sowing affected the crop slightly in thana Sakutipore, but this has been more than made up by unusually good crops elsewhere.
	Ramperehat	648	458	64	Aus	15 "	The crops in the high land suffered from deficiency of rainfall.
	District Total	1,756	1,235	237	.....	15½ annas.	
Medinipur	Sudder	3,352	1,767	390	Aus, til, maize, biri.	13½ annas	
	Contal	881	710	60	Aus, til	16 "	Partial failure for want of sufficient rainfall at the ploughing and sowing time.
	Ghattal	366	228	22	Mustard	16 "	
	Tumlook	620	405	20	Kalai	12 "	
	District Total	5,119	3,170	510	Jute and hemp	14 "	
Hooghly	Sudder	442	276½	55½	Aus, jhanji, til and pulses.	12 "	
	Serampore	343	250	30½	Aus	15 "	
	Jehanabad	438	203	87	Aus	16 "	Suffered from deficiency of rainfall just before the harvesting time.
	Howrah	171	103	8	Aus	15 "	
	Ooleoberiah	303	200	22	Aus and kele	18 "	
Bhagannabs	Sudder, including Barco-pore.	1,070	717	56	Aus	15 annas	
	Diamond Har-bour.	613	453	13	Aus	14 "	Deficiency of rainfall at ploughing and sowing time.
	Barnet	392	243	60	Aus	16 "	
	Basirhat	530	430	76	Aus and boro	16 "	
	Barrackpore	42	13	2	Aus	10 "	
Sunderbans	Dum-Dum	53	31	3	Aus	12 "	
	District Total	2,603	1,895	191	.....	13 annas.	
	Sudder	1,572'40	389	23	Aus, boro and kur-mani rice.	11 annas	
	Satkhira	1,372'88	440	44	Ditto	8 "	Deficiency of rainfall at the time of ploughing and sowing.
	Basirhat	1,508'63	590	60	Ditto	11 "	
Sunderbans	Area of bound-ary of khals and rivers of the Sunder-bans in this district.	497'0	.....	.....	.....	.....
	District Total	4,840'01*	1,558	130	.....	10 annas.	

* This includes Sunderbans 5,773'91 square miles appertaining to this district.

† 20 annas represents a bumper crop, 16 annas a full average crop, and 12 annas three-fourths of an average crop.

1	2	3	4	5	6	7	8
DISTRICT.	Sub-division.	Total area of sub-division in square miles.	Total area estimated to be under cultivation in square miles.	Estimated area under bhadoi crops in square miles.	Names of principal bhadoi crops.	Estimated outturn of bhadoi crops expressed in annas.	REMARKS.
Nuddea	Sudder	761	454	291	Aus, jute, sugar-cane.	8 annas	Affected by want of rain at the sowing time and by floods.
	Kushtea	555	419	209	Aus, jute, indigo...	4 "	Want of rain at the sowing time and harvesting season and floods did great damage to the crops.
	Meherpore	627	500	440	Aus Kaon Bhurah Kodo Jute Indigo	8 " 10 " 16 "	Sowing was very late for want of rain. A good deal of damage was done to aus paddy by floods just before it was harvested.
	Chundanga	437	272	200	Aus	6 "	
	Ranaghat	427	256	192	Aus Jute Indigo	10 " 8 " 12 "	The rains were late this year, but afterwards there were such heavy and continued showers as to prevent the weeding operations. Bhadoi crop in chur lands and riparian villages was also damaged by floods.
	District Total	2,750	1,930	1,332	.....	9 annas.
	Jessore	839	475	210	Aus Jute	12 annas 11 "	The crops were affected at the sowing season by deficiency of rainfall and at the harvest time by flood.
	Hongong	640	532	194	Aus	14 "	
	Narail	487	565	915	Aus	8 "	
	Magoora	425	298	84	Aus Jute Til Indigo	6 " 12 " 13 " 13 "	
	Jhenidah	475	317	60	Aus Jute	Less than 12 annas. Less than 12 annas.	
	District Total	2,925	1,514	639	11 annas.	
Moorshedabad	Sudder	767	576	320	Aus	8 annas	Sowings were delayed by deficient rainfall, but nearly all the usual area was sown. The crop suffered much from flood at the time of harvest.
	Lalbagh	372	223	74	Aus	8 "	
	Jungipore	598	444	116	Aus	12 1/2 "	
	Kandi	512	409	41	Aus	8 "	
	District Total	2,159	1,652	551	9 annas.	
Dimapore	Sudder	3,251	1,950	290	Aus Jute	10 annas 6 "	Short outturn is due to deficient rainfall at the time of ploughing and sowing, and excessive rain afterwards which impeded the weeding of the crops.
	Thakurgaon	807	630	150	Aus Jute	7 " 6 "	
	District Total	4,118	2,600	440	Aus Jute	8 1/2 annas. 6 "	
Rajshahye	Sudder	944	585	243	Aus and jute Kaon	12 annas 10 "	Drought during the sowing season kept back the crops, and unusual heavy rain in June drowned the young seedlings.
	Nattore	817	291	213	Aus Til Kaon Jute	10 " 10 " 7 " 8 "	
	Nawgong	603	500	250	Jute Aus Til Kaon	12 " 16 " 8 " 8 "	
	District Total	2,364	1,076	703	.....	10 annas.
Rungpore	Rungpore	1,161	900	290	Aus, jute and indigo.	16 annas	Excessive rain at the harvest time affected the outturn. Deficiency of rain at the sowing time and frequent heavy rains at the harvesting time caused injury to the aus and jute crops.
	Nelphamari	638	460	120	Aus and jute	12 "	
	Kurigram	937	700	400	Ditto	16 "	
	Gaibanda	760	570	150	Ditto	14 "	
	District Total	3,456	2,630	940	14 1/2 annas.	
Bogra	Bogra	1,462	913	300	Aus Jute	13 annas 10 "	At the time best suited for ploughing and sowing the drought was prolonged, but afterwards there was plenty of rain. A considerable quantity of both the crops in the east of the district was destroyed by floods, and in the extreme north-west there was too much rain in June. In the middle of the district and in much of the eastern half also, the crops were excellent.
		
Pabna	Sudder	890	667	267	Aus Jute Til Kaon	6 annas 12 " 12 " 12 "	The deficiency of rainfall in the ploughing and sowing season affected the bhadoi crop, subsequently the high floods of the river Padma submerged the aus crop in the low lands.
	Serajgunge	967	718	200	Aus Jute Til Kaon	8 " 14 " 12 " 8 "	
							The crops suffered from deficiency of rainfall in the sowing season and subsequently injured by the floods of the Jumna river.
	District Total	1,847	1,385	660	.....	9 annas.

1	2	3	4	5	6	7	8	
DISTRICT.	Sub-divisions	Total area of sub-division in square miles.	Total area estimated to be under cultivation in square miles.	Estimated area under bhadoi crops in square miles.	Names of principal bhadoi crops.	Estimated outturn of bhadoi crops expressed in annas.	REMARKS.	
Darjeeling	Kurseong	185	12	12	Aus, maize, marua	12 annas	Owing to seasonable rainfall the outturn was better than that of last year.	
	Siligoree	253	174	100	Aus and jute	15 "		
	Kalimpong	726	89	73	Maize, aus, kaon, marua, and phap-par.	13 "	Excessive rainfall affected the crop to a certain extent.	
	Darjeeling							
	District Total	1,164	275	185	.....	About 13 annas.	
Julpigoree	Bykuntapore pergunnah.	447	298	138	Aus	12 annas	Deficiency of rainfall at the sowing time and excessive rainfall at the time the plants were in full growth affected the outturn of the aus paddy.	
	Boda pergunnah.	401'42	295	85	Jute	12 "		
	Patgram pergunnah.	86'88	75	18	Aus	9 "		
	Mynasoree tehsil.	524	203	54'68	Jute	10 "		
	Pullacotta tehsil.	742	340	89	Aus	10 "	A full crop was obtained owing to favourable distribution of rainfall everywhere.	
	Alipore tehsil.	617	200	30	Jute	11 "		
	Bhalka sub-tehsil.	132	50	5	Aus	12 "		
					Jute	14 "		
					Aus	16 "		
					Jute	14 "		
	District Total	2,851'00	1,441	410'68	Aus	13 annas.		
					Jute	12 1/2 "		
Dacca	Sudder	1'206	633	211	Early paddy, viz.— Garia, moochha-kani, bhati sail, boro, kalamani, poranghi, shaita, kalathore and pankaich.	14 annas	Paddy and jute were partially affected by want of rain at the time of sowing and afterwards by unusual rise of rivers.	
					Grass	10 "		
					Jute	14 "	Sugarcane was greatly damaged by unusual rise of rivers.	
					Sugarcane	11 "		
	Maniekgunge	489	366	46	Early paddy, viz.— Kalamani, karo-hamuri, gorfa, gareswar, parangi, shaita.	10 "	Want of rain at the sowing time, excessive rainfall in June and July, and high floods, have caused much damage to the crops.	
	Munshigunge	401	200	80	Jute	12 "		
					Grass	18 "	Jute was partially affected by want of rain at the time of sowing.	
					Aus	16 "		
					Sugarcane	14 "	Some damage has been done by floods.	
	Naraingunge	641	350	80	Early paddy, viz.— Surjamukhi, ghurmora, boajari, saita, joma, pankaj, mais joma, sarsaul, jetha-bhaduri, ab-chhaya, bhaisneja sakar, bamajuri.	12 "		
	District Total	2,797	1,549	417	.....	13 1/2 annas.	
Furzedpore	Sudder	800	602	80	Aus	8 annas	The crop suffered from (1) deficiency of rain at the time of sowing and ploughing, (2) unusual floods at the time of harvesting.	
	Madaripur	979	632	64	Early paddy, such as aus, bora, usni digha.	8 "		
	Goalundo	428	321	142	Aus	7 "		
	District Total	2,207	1,555	292	.....	8 annas.	
Backergunge	Barisal	1,111	850	150	Aus	12 annas	The crop was slightly affected by deficiency of rainfall at the time of ploughing and sowing, and by floods at the harvesting time.	
	Persepura	692	500	90	Do.	16 "		
	Patuakhali	1,231	500	100	Do.	14 "		
	Bhola	616	400	100	Do.	16 "		
	District Total	3,650	2,050	440	.....	14 1/2 annas.	
Mymensingh	Sudder	1,849	1,091	270	Early paddy, such as— Hapa	16 annas.	Crop was affected by the floods in August last.	
					Bouha			
					Boron			
					Bailam			
	Attia	1,061	780	293	Gayal	10 "		
					Bhadaon			
	Jamalpore	1,344	830	277	Early paddy, such as— Chitri	12 "		
					Gayal			
					Babu bhugra			
					Moshati			
					Balaram			
					Garia			
					Baran			
					Daria			
					Jabar Sali			
					Subarnakharika			
					Cheng Khaga			
					Nayal Ghial			
					Sujra Thubri			

1	2	3	4	5	6	7	8
DISTRICT.	Sub-division.	Total area of sub-division in square miles.	Total area of estimated to be under cultivation in square miles.	Estimated area under bhadoi crops in square miles.	Names of principal bhadoi crops.	Estimated outturn of bhadoi crops expressed in annas.	REMARKS.
Mymensingh ...	Netrokona ...	1,389	694	100	Early paddy, such as— Bori, Bonlia Gayal, Agali Kanchilain Sabribasi Charnok Bhadsan Chapla Surjamukhee Kanakchapa Bailam Meherful Kaechi lahir Chetri Mohielati Loma Aua ...	12 annas ...	Excessive rainfall during the time of weeding and harvesting affected the crop.
	Kishoregunge	744	350	90	Aua ...	12 ..	Crop was affected by the floods in August last.
	District Total	6,287	3,715	1,090	.....	12 annas.	
Tipperah ...	Brahmanberiah	769	55.08	138.42	Early paddy, viz.— Joto jote ... Asari jote ... Satia ...	18 annas ...	Owing to timely rain during the ploughing and harvesting season, the outturn this year is more than that of the last year.
	Chandpore ...	580	415	60	Aua ...	10 ..	
	Comillah or Snider sub-division.	1,142	630.5	171.3	Early paddy, such as— Kamini snail Satia ...	14 ..	
	District Total	2,491	1,825.18	369.73	.....	16 annas.	
Noakholly ...	Sudder ...	1,298	1,009	324	Bailam ... Sheta ... Green ... Shultanbhooq Harah ... Silua ... Chiknal ... Bhaduri ... Shalai ...	10 annas ...	The outturn is below the average owing to insufficient rain at the time of ploughing.
	Fenny ...	543	289	85	Shalai ...	12 ..	
	District Total	1,641	1,289	409	.....	14 annas.	
Chittagong ...	Sudder ...	1,630	611.25	152.8	Early paddy, viz.— Bailam ... haru ... Chiknal ... Khaya ... Pania aus ... Kha aus ...	18 annas ...	The rainfall was timely and sufficient in the Sudder sub-division.
	Cox's Bazar ...	937	633.68	20.15	Pania aus ... Kha aus ...	16 ..	The rainfall was very evenly distributed throughout the season and was sufficient.
	District Total	2,567	1,244.93	172.95	.....	17 annas.	
Chittagong Hill Tracts.	Sudder ...	3,583.5	44.95	37.45	Jum paddy ... Cotton ...	14 annas ... 6 ..	The rainfall, though below the average, was fairly distributed, and the outturn of jum paddy was a good one.
	Sungoo ...	1,835.5	22.76	18.76	Ditto ...	6 ..	The outturn of cotton, which has not yet been gathered, is reported not to be so good as was expected.
	District Total	5,419	67.71	56.21	.....	9 annas.	
Patna ...	Sudder ...	617	457	62	Maize and marua	15 annas ...	Bhadoi crops of Dearah lands were damaged by floods.
	Dinapore ...	143	110	30	Maize ... Kodo ... Marua ... Paddy ...	7 1/2 ..	There was timely rainfall at the ploughing and sowing time, but the excessive rain at harvesting time damaged the crops to some extent; as also the flood of the Ganges damaged the bhadoi on the Dearah lands.
	Barh ...	526	225	35	Maize ... Jowar ... Kaon and marua ...	10 ..	The poor outturn is due to the high floods inundating the crops in August. The crops were under water for two weeks.
	Behar ...	793	675	155	Marua ... Maize ... Kodo ... Kaon ...	15 ..	
Gya ...	District Total	2,079	1,373	283	.....	12 annas.	
	Sudder ...	1,839	1,434	143	Marua, maize, aathi, urid, biri.	16 annas ...	
	Anrungabad ...	1,246	747	37	Makal, marua, kodo, urid, barai and aathi.	14 ..	
	Nowada ...	1,020	765	85	Makal, marua, swan, aathi, kodo, urid, kangum, jenera, til.	14 ..	Rains during the months of July and August were specially suitable to bhadoi crop, and hence the marked success of the crops.
Gya ...	Jehanabad ...	607	503	50	Makal, marua, aathi.	16 ..	
	District Total	4,712	3,449	315	.....	15 annas.	

1	2	3	4	5	6	7	8
DISTRICT.	Sub-division.	Total area of sub-division in square miles.	Total area estimated to be under cultivation in square miles.	Estimated area under bhadoi crops in square miles.	Names of principal bhadoi crops.	Estimated outturn of bhadoi crops expressed in annas.	REMARKS.
Shahabad	Arrah	919	778	75.75	Serha Sathi Kodo Marua Kaon China Maize, large " small	8 annas	The deficiency in the outturn is due to excessive rainfall and inundation at harvest time, which damaged the crops considerably.
	Buxar	656	563	53	Serha, sathi Juar, sawan Marua, bajra Jouri, kaon Kodo, urid and til	10 "	
	Bhabua	1,301	976	122	Serha, sathi sawan Marua, maize	14 "	
	Sasseram	1,483	687	78	Serha Sathi Maize Kaon Marua sawan	14 "	
	District Total	4,369	3,004	328.75	.....	11½ annas.
Jubbulpore	Sudder	1,222	929	500	Marua Maize Gambhari Shama and kaon	18 annas	The season was most favourable for bhadoi, and but for the rising of the Karai, Bagmati and other streams, a bumper crop would have been secured.
	Tajpur	764	649	414	Marua Maize Sama	18 "	
	Madhubani	1,349	1,025	350	Marua Aur Makai	14½ "	
	District Total	3,335	2,603	1,264	.....	About 17 annas.
Muzaffarpur	Muzaffarpur	1,218	957.03	265.57	Maize Marua Kaon Sawan Kodo Sathi China	6 annas	These crops, specially makai, were extensively damaged by floods at the end of July and beginning of August.
	Hajipur	771	529.6	308.4	Maize Marua Sawan Kodo Kaon Urid China Janera	9 "	
	Sitamarhi	1,014	770.64	289	Maize Marua Janera Sawan Kodo Kaon Ashu	16 "	
	District Total	3,003	2,257.27	862.97	.....	10 annas.
Gopalganj	Sudder	998	849	291	Maize Marua Janera Sama Sathi Kodo and Tan- guni Masuri	10 annas	Ploughing and sowing were carried on with great facility, but in some places the crop while in flower was damaged by floods. The average outturn was thus reduced to 12 annas all over the district.
	Sewan	853	603	145	Maize Marua, sathi Sawan, Tunguni, masuri, bajra and kodo.	12 "	
	Gopalgunge	771	563	240	Maize Marua Shama Tunguni	14 "	
	District Total	2,622	2,105	685	.....	12 annas.
Munger	Motihari	1,518	1,022	662*	Maize, sathi sa- wan, marua.	11 annas	Makai in the Sudder sub-division seriously suffered from the heavy rainfall in the months of July and August. In some parts the crop was a total failure. Marua also suffered to some extent, but sathi rice yielded above the average in many cases repairing the loss of marua and makai.
	Bettiah	2,013	1,200	500	Maize, marua, aus, saru, benul- sawan.	12 "	
	District Total	3,531	2,222	1,162	.....	11½ annas.

* This area is double cropped, being sown with bhadoi and rabbi in succession.

1	2	3	4	5	6	7	8
DISTRICT.	Sub-division.	Total area of sub-division in square miles.	Total area estimated to be under cultivation in square miles.	Estimated area under bhadoi crops in square miles.	Names of principal bhadoi crops.	Estimated outturn of bhadoi crops expressed in annas.	REMARKS.
Monghyr	Sudder	1,559	1,091	509	China Maize Marua Sama Kheri Kaon	9 annas	These crops were affected to some extent by excessive rain immediately after sowing were over, and subsequently damaged to large extent by the floods of the Ganges during the latter part of August and beginning of September.
	Begusarai	769	577	515	Maize Marua Kodo Kaon Sama	9 "	
	Jamui	1,593	1,062	266	Maize Urid Chota Janera Moong China Marua Kodo Boro rice	14 "	
	District Total	3,921	2,730	1,281	.....	about 11 annas.
Bhagulpore	Sudder	936	655	165	Maize China Kheri	8 annas	Damaged by excessive rain at the sowing time and by floods in the Dearah lands.
	Banka	1,185	888	355	Maize Marua Sathi	12 "	
	Madehpura	872	560	169	Marua Aas	10 " 16 "	
	Supoul	1,275	956	230	Aas Marua	16 " 8 "	
	District Total	4,268	3,063	928	.....	about 13 annas.
Purneah	Sudder	2,072	1,929	643	Aas Marua Maize Moong	8 annas	The high floods of the year in this district affected the bhadoi crops particularly.
	Arrareah	1,044	700	250	Aas Jute	10 " 6 "	
	Kissengunge	1,340	1,066	130	Ajan Soon Niljee Janerah Aas Malsora Masour Jetha Kharjarum	12 "	
	District Total	4,456	3,634	1,023	.....	9 annas.
Maldah	Whole district	1,962	1,769	492	Aas Sama Kheri Maize Jute Mulberry	8 annas	The crops were sown late for want of timely rainfall, and were afterwards submerged by unusually high floods, hence the short outturn.
Sonthal Pergunnahs.	Dumka	2,429	708	354	Maize, gundli, marua	14 annas	Affected by deficiency of rain at the sowing time and by excessive rainfall afterwards also by floods.
	Deoghur	250	259	40	Aas, maize, marua gundli, moong, sati.	12 "	
	Godda	968	676	136	Maize Gundli.	11 "	
	Rajmahal	740	535	194	Maize gundli, marua.	12 "	
	Jamtara	606	348	116	Aas Maize Marua	8 "	
	Pakour	695	511	170	Gundli Moong Sati	17 "	
	District Total	5,464	3,967	919	.....	about 12 annas.

1	2	3	4	5	6	7	8	*		
DISTRICT.	Sub-division.	Total area of sub-division in square miles.	Total area estimated to be under cultivation in square miles.	Estimated area under bhadoi crops in square miles.	Names of principal bhadoi crops.	Estimated outturn of bhadoi crops expressed in annas.	REMARKS.			
Cuttack	Sudder	989	533	114	Beali and mandia, etc.	18 annas.				
	Panki	116	52	4	Beali	18 "				
	Kendrapara	1,424	801	157	Do.	18 "				
	Jajpur	1,104	600	50	Beali and mandia	16 "				
	District Total	3,633	1,886	305	About 18 annas.				
Balasore	Sudder	1,158	670	35	Beali	12 annas	Deficient rainfall affected the crop.			
	Bhudruk	908	720	140	Do.	16 "				
	District Total	2,066	1,390	175	14 annas.				
Poree	Sudder	1,530	720'380	74'693	Beali	14 annas	The ploughing operations were rather late owing to scanty rainfall in May, and when the sowing operations began in June, the rainfall was very heavy, and damaged the seedlings to some extent.			
	Khordha	990'202	414'609	143'976	Mandia				14 "	
	District Total	2,520'202	1,134'940	218'669	14 annas.				
Nabaribagh	Giridih	2,446	1,280	282	Maize	17 annas	The crop was affected a little by excessive rainfall at both the ploughing and sowing time.			
				Marua						
				Goondli						
				Urid, baral, khangri						
				Sathi, gora						
Head-quarters		4,575	2,593	893	Maize	15 "				
				Marua						
				Goondli						
				Urid						
				Baral						
District Total		7,021	3,873	1,164	Ghangri	16 "				
					Sathi					
					Gora					
					Digha					
					16 annas.				
Lehardugga	Sudder	7,784	1,673	274	Gora	15 annas	The rainfall was favourable to the crops.			
					Maize	14 "				
					Goondli	15 "				
					Urid	15 "				
					Baral	12 "				
Palamow		4,200	2,130	426	Marua	14 "				
					Badi	14 "				
					Maize	16 "				
					Sawan					
					Marua					
District Total		12,044	5,803	700	Kodo	16 "				
					Urid					
					Goondli					
					14 annas.				
Manbhoom	Gobindpore	803	289	29	Maize	12 annas	Maize was slightly injured by rain in the early part of the year.			
					Marua	16 "				
					Kodo					
					Goondli					
					Kheri	16 "				
Sudder		3,344	1,203	120	Biri	16 "				
					Maize	16 "				
					Gora	18 "				
					Biri	16 "				
					Kodo					
District Total		4,147	1,492	140	Goondli	16 "				
					Kheri					
					About 16 annas.				
Singbhoom	Kolhan	1,946	973	450	Aus	18 annas	The outturn would have been a bumper one, but for a slight deficiency of rainfall towards the latter end of September and beginning of October.			
					Maize					
					Goondli					
					Sawan					
					Kodo					
Porahat		660	247	61	Marua	15 "				
					Aus					
					Til					
	Dhalbhoom		1,147	573	143	Urid or biri			15 "	
						Til				
District Total		3,753	1,793	654	Moong	18 "				
					Kaon					
					Aus					
					Maize	17 annas.				
									
GRAND TOTAL FOR THE WHOLE OF BENGAL.		152,919'712	87,556'280	23,763'940				

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 29th March 1890.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.	
BENGAL.				
Western Districts.				
BURDWAN DIVS.	1 Burdwan March 29, '90	Nil	Weather—warm. Ginger and <i>til</i> are being sown, but rain is wanted for <i>til</i> . Pressing of sugarcane nearly over. Prices of common rice:— Srs. Burdwan 16 Culna 15 Cutwa 16½ Raigunge 19 } per rupee.	
	2 Bankoara „ 29, '90	Nil	Weather—hot. Rain wanted for cotton and <i>til</i> , and for ploughing of fields for next sugarcane and rice crops. Common rice 21 seers per rupee at Sudder and 19½ seers at Bissenpore.	
	3 Birbhum „ 29, '90	Nil	Weather—hot. Wheat, gram, and <i>masuri</i> being gathered; outturn 12 annas. Rice selling at from 16 to 20 seers per rupee.	
	4 Midnapur „ 29, '90	Nil	Weather—getting warmer. Nothing to report about the crops. Land is being ploughed in places. Indigo doing well. Silk cocoons sold from Rs. 24 to Rs. 30 a maund at Ghatal during the month. Prices of common rice:— Srs. Contai 20 Sudder 19 Tamluk 16 Ghatal 18 } per rupee.	
	5 Hooghly „ 29, '90	Nil	Temperature rising. Strong east winds. Prospects of crops satisfactory. Prices of common rice:— Srs. Sudder 12½ Jehanabad 17 Serampore 16 } per rupee.	
	Jehanabad „ „	0.09		
	Howrah „ 29, '90	Nil	Weather—rather too warm for the season. Rain much wanted.	
	Central Districts.			
	PRESIDENCY DIVS.	6 24-Perghs. March 29, '90	Nil	Weather—very hot during the greater part of the week. Want of rain has retarded ploughing for the early rice crop. Rain also wanted for the benefit of such crops as there are on the ground. Price of common rice 15 to 17 seers 9½ chittacks per rupee.
		7 Nuddea „ 29, '90	Nil	Weather—hot. Harvesting of wheat, barley, and gram is still going on. Cultivation of land for early rice proceeding. Rain much wanted.
8 Khoolna „ 29, '90		Nil	Weather—hot. State of <i>boro</i> paddy good, and of <i>rubbi</i> crops, the harvesting of which is going on, fair, but rain is wanted for ploughing.	
9 Jessore „ 29, '90		Nil	Weather—hot with a good deal of south wind. Rain badly wanted for cultivation. Ploughing for early rice, &c., has commenced.	
Narail „ „		0.23		
10 Moorshedabad „ 29, '90		Nil	Weather—hot. Harvesting of <i>rubbi</i> crops continues. Lands are being prepared for <i>aus</i> paddy.	
11 Dinagepur „ 29, '90		Nil	Weather—hot with strong west wind. Sugarcane pressing continues. Land is being prepared for sugarcane and <i>bhadoi</i> . Prices stationary.	
12 Rajshahye „ 29, '90		Nil	Weather—very hot and dry. Rain badly wanted. <i>Rubbi</i> crops giving about 12 annas outturn. Tobacco outturn only 8 annas all round. Preparation of lands seriously retarded for want of rain.	
13 Rungpur „ 29, '90		Nil	Weather—sultry with very high westerly winds. The reed for rain increases daily. <i>Aus</i> rice and jute sowings will be seriously prejudiced should it hold off much longer.	
RAJSHAHYE DIVS.		14 Bogra „ 29, '90	0.10	Weather—hot and dry, with west winds. State and prospects of crops satisfactory. Pulses are being harvested. Sugarcane is being cut and pressed and the new crop is being transplanted. Ploughing for <i>aus</i> rice, jute, &c., is going on. Common rice is selling at 18 seers per rupee.
		Newkhilla „ „	0.10	
		15 Patna „ 29, '90	Nil	Weather—hot. Cold-weather crops fair. Ploughing for next season going on. Prices keep high.
		16 Darjeeling „ 29, '90	0.02	Weather—getting daily warmer. Rain is badly wanted. Potatoes and <i>bhoota</i> are being planted. In the Terai lands are being ploughed for the <i>bhadoi</i> crops.
		17 Julpigoree „ 29, '90	Nil	Weather—strong breeze and warm during day. Prospects generally good. Harvesting of tobacco commenced; an average crop expected. Prices stationary.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.			
Eastern Districts.			
Dacca Divs.	18 Dacca March 29, '90	0.04	Weather—hot and fine. No rain in the Narsingunge subdivision. Mustard and pulses nearly harvested. <i>Boro</i> paddy thriving. Cultivation going on for early rice and jute. Fodder is available. Common rice 13 to 16 seers per rupee.
	19 Furreedpur „ 29, '90	Nil	Weather—hot and close. Harvesting of <i>rubbi</i> crops continues. Prospects of <i>boro</i> paddy fair. Land is being prepared for jute, <i>aus</i> , and <i>aman</i> , but rain is badly wanted. Prices of common rice:— <div style="text-align: right; margin-right: 20px;">Srs.</div> <div style="display: flex; justify-content: flex-end;"> <div style="text-align: right;">Sudder ... 14</div> <div style="text-align: right;">Goswondo ... 16</div> <div style="text-align: right;">Madaripur ... 15</div> </div> per rupee.
	20 Backergunge „ 29, '90	Nil	Weather—hot and cloudy, but no rain. <i>Rubbi</i> crops in the subdivisions good, but in the Sudder suffering from want of rain. Rice selling at 13 seers per rupee.
	21 Mymensingh „ 29, '90	Nil	Weather—hot with foggy mornings. Prospects of crops good. Common rice sells at 13 seers 14 chittacks per rupee.
	22 Chittagong „ 29, '90	Nil	Weather—seasonable. Chillies thriving.
Chittagong Divs.	23 Noakholly „ 29, '90	Nil	Weather—warm and cloudy. Harvesting of all <i>rubbi</i> crops, except chillies, completed. Preparation of soil for <i>aus</i> going on. Common rice is sold at from 13 to 18 seers per rupee at head-quarters and 17 seers at Fenny.
	24 Tipperah „ 29, '90	Nil	Weather—unseasonably hot and dry. <i>Boro dhan</i> ripening. Jute and <i>aus</i> being sown. Chillies being gathered. Rain wanted for cultivation and crops.
	25 Chittagong Hill Tracts. „ 28, '90	Nil	Weather—very hot throughout the week; cloudy with variable winds, mostly south-east. <i>Jum</i> cutting still continues. Sugarcane being transplanted. Gathering of tobacco and chillies commenced. First, second and third class rice being sold at 11 seers 7 chittacks, 13 seers 5 chittacks, and 16 seers per rupee respectively.
BEHAR.	Hill Tipperah „ 29, '90	Nil	Weather—cloudy and unsettled. Lands still being prepared for sowing <i>aus</i> paddy. <i>Jums</i> being burnt in the hills.
	26 Patna „ 29, '90	Nil	Weather—hot. Harvesting of <i>rubbi</i> crops still going on. New wheat, gram, and peas are being brought into markets for sale; outturn estimated at 12 annas. <i>Cheena</i> is being sown in the Behar subdivision. Prices of food-grains almost stationary.
	27 Gya „ 29, '90	Nil	Weather—hot. <i>Rubbi</i> crops are being harvested. Prices of food-grains stationary.
	28 Shahabad „ 29, '90	Nil	Weather—mornings cool, days getting hot; westerly wind prevails. Harvesting of <i>rubbi</i> crops still continues, but almost completed. Sugarcane is being planted. Prices stationary.
PATNA Divs.	29 Durbhunga „ 29, '90	Nil	Weather—strong west wind prevailing. Harvesting of <i>rubbi</i> not yet completed. Paddy and <i>mung</i> on char lands are being sown; those sown before are germinating well. Prices almost stationary.
	30 Mozufferpur „ 29, '90	Nil	Weather—warm. Strong west winds in day time. <i>Rubbi</i> harvest continues; nearly completed in the north. Paddy, <i>mung</i> , and <i>cheena</i> being sown. Collection of opium completed; outturn somewhat less than usual.
	31 Sarun „ 29, '90	Nil	Weather—fine and dry with strong west wind. Cool mornings and evenings. Indigo sowings normal, but the crop is doing badly. Poppy about a 10-anna crop. <i>Rahar</i> , oat, gram, and linseed 16 annas. <i>Rubbi</i> harvesting completed.
	32 Chumparan „ 29, '90	Nil	Weather—days hot, but nights cool. High west wind blowing. Harvesting of <i>rubbi</i> continues. Opium collection almost finished; estimated outturn from 12 to 13 annas. Weighment of opium begins from 7th proximo. Indigo growing. Sowing of paddy, <i>cheena</i> , and <i>mung</i> progressing. Prices of food-grains easy.
BHAUGULPORE Divs.	33 Morghyr „ 29, '90	Nil	Weather—dry and hot. Strong westerly wind prevailing. Harvesting of <i>rubbi</i> nearly completed. Prices of food-grains stationary.
	34 Bhagulpur „ 29, '90	Nil	Weather—hot, strong west wind prevailing; cloudy at times, but no rain. Harvesting of <i>rubbi</i> still in progress. Outturn of linseed and wheat estimated at 8 annas.
	35 Purneah „ 29, '90	Nil	Weather—strong westerly winds in the day; nights and mornings cool. Tobacco harvested; outturn 12 annas in Kishengunge, but somewhat less in the west of the district. <i>Rubbi</i> crops being harvested with fair outturn. <i>Bhadai</i> and jute cultivation progressing favourably.
	36 Maldah „ 29, '90	Nil	Weather—hot and dry. Strong west wind prevails. Harvesting of <i>rubbi</i> crops continues; an average outturn expected. Rain much wanted for <i>boro</i> paddy and for preparation of lands for <i>bhadai</i> and winter sowings. Prices of common rice slightly risen.
	37 Sonthal Pergas. „ 29, '90	Nil	Weather—getting hot. Harvesting of <i>rubbi</i> complete in most parts. Outturn of linseed estimated at 10 annas at Pakour, and the total yield of <i>rubbi</i> estimated at 12 annas at Rajmahal. Sugarcane promises well, but rain needed.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.			
ORISSA DIVN.	38 Cottack March 29, '90	Nil	Weather—morn'ngs foggy, days hot. Standing crops in some parts of the Jajpore subdivision, as well as in the Banki tehsil, have been damaged by hail-storm. In other places prospects continue good.
	39 Pooree „ 28, '90	Nil	Weather—seasonable. Lands are being ploughed for the ensuing <i>sarad</i> crop. <i>Mung</i> is in pod. Prices of rice stationary. Banpur police reports the appearance of a kind of white insects doing injury to the <i>mung</i> crop.
	40 Balasore „ 29, '90	0.28	Weather—seasonable. Fields are being ploughed all over the district. Some 160 coolies are employed on the relief works opened by the District Board near Talpada.
CHOTA NAGPORE.			
South-West Frontier Agency.			
CHOTA NAGPORE DIVN.	41 Hazaribagh March 29, '90	Nil	Weather—seasonable. <i>Mohua</i> and mango promise well. Poppy has not yielded so well as expected. No other crops to report about.
	42 Lohardugga „ 29, '90	Nil	Weather—days hot and nights cool. <i>Rabbi</i> harvesting nearly finished. Yield of mustard 8 annas in Palamow, where <i>mohua</i> crop also reported to be not very successful this year. Sugarcane progressing.
	43 Singhbhum „ 29, '90	0.03	Slight rain. Weather getting very hot; clouds come up almost every evening. Reports of crops, particularly <i>mohua</i> , excellent from almost every quarter.
	44 Manbhum „ 29, '90	0.01	Weather—seasonable. Wheat, barley, and gram ripening; average outturn 10 annas. Coarse rice selling at from 18 to 22 seers per rupee.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 1st April, 1890.P. NOLAN,
Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 23rd to 29th March 1890.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1890.		°		Inches.	°	°	°	°	°	Inches.	°	%			Inches.	
March	23rd	149.6	10.3	29.699	85.4	96.7	23.2	73.5	74.8	0.724	69.6	63	NNW and SSW	72	Nil	Clear, D.
"	24th	149.9	9.9	721	85.8	97.5	22.5	75.0	78.3	.867	74.9	73	SSW and calm	72	...	Clear, D.
"	25th	149.9	9.2	.670	86.9	98.5	21.4	77.1	79.2	.894	75.8	72	SSW and WSW	104	...	Morning cloudy, day and night clear, o.
"	26th	151.5	9.2	.693	86.7	99.3	23.1	76.2	76.4	.776	71.6	65	Calm and variable	45	...	Clear, $\text{D.}, \text{=}$
"	27th	150.5	9.1	.729	85.5	97.9	23.3	74.3	74.6	.716	69.2	63	Calm and variable	49	...	Morning partially cloudy, day and night clear, D.
"	28th	149.8	9.4	.765	86.0	98.9	23.7	75.2	75.5	.743	70.4	70	WSW and S	96	...	Chiefly clear, $\text{D.}, \text{=}$
"	29th	152.6	9.0	.763	87.0	100.8	23.7	77.1	75.1	.711	69.0	55	W and variable	84	...	Chiefly clear.

The mean pressure of the seven days ... 29.720
 The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 29.776

The total number of hours of bright sunshine ... 66.1
 The maximum possible number of hours of sunshine ... 85.4

The mean temperature of the seven days ... 86.2
 The average temperature of the corresponding period for 24 years, S.-G.'s Office ... 83.4
 The extreme variation of temperature ... 27.3
 The maximum temperature ... 100.8

The highest velocity of the wind in one hour ... 10

The highest pressure of wind on one square foot ... Not measurable.

The mean relative humidity ... 64

The average relative humidity of the corresponding period for 24 years, S.-G.'s Office ... 66

The total fall of rain from 23rd to 29th March 1890 ... Nil

The average fall of the corresponding period for 24 years, S.-G.'s Office ... 0.20

The total fall from 1st January to 29th March 1890 ... 1.10

The average fall of the corresponding period for 24 years, S.-G.'s Office ... 2.77

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h., 10h., 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, D. dew, = fog.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
 Calcutta, the 31st March 1890.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.														
			District.	Representative station.	AIR PRESSURE.			WIND.		TEMPERATURE.							
					Mean barometric height, 8 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean, 8 A.M. temperature.
ORISSA.	Pooree	Pooree	29.785	29.797	—	C. & S.W.	120.0	90.7	28th Mar.	78.6	22-24 Mar.	87.8	79.0	83.4	—	81.0	
	Gopalpore	Gopalpore	29.773	29.795	—0.081	Southerly	380.0	86.7	27. 28	77.8	23. 24	86.1	78.6	83.4	+1.0	81.3	
	False Point	False Point	29.779	29.801	—0.110	SW	274.0	94.0	27th	75.6	22. 25	90.0	77.2	83.6	+1.8	82.3	
	Cuttack	Cuttack	29.729	29.804	—0.092	Calm	57.0	106.4	27th	75.8	23rd	102.2	77.0	86.0	+3.2	81.1	
	Balasore	Balasore	29.729	29.788	—0.112	S & N	102.8	98.5	28th	71.8	28th	94.1	75.2	83.7	+1.0	78.1	
SOUTH-WEST BENGAL.	South-West Midnapore	Saugor Island	29.772	29.798	—0.101	SSW	326.0	97.2	27th	76.6	28th	91.1	78.9	85.0	+2.1	82.0	
	South 24-Pergunnahs	Midnapore	29.648	29.769	—0.098	S	191.6	107.4	26th	72.2	27th	102.0	74.6	88.3	+4.8	83.9	
	24-Pergunnahs	Calcutta	29.772	29.794	—0.099	Calm & S.W.	79.0	99.4	27th	73.7	23rd	97.1	75.3	86.2	+3.9	83.3	
	Howrah	Burdwan	29.679	29.780	—0.107	Calm	42.3	103.2	26th	70.9	25th	100.5	73.3	83.0	+3.0	80.7	
	Hooghly	Bankoora	29.479	29.781	—0.087	W	77.9	105.1	26th	70.6	28th	101.7	73.6	87.6	+4.2	81.4	
	Burdwan	Raneegunge	29.470	29.806	—0.079	NW	65.4	103.5	26th	71.1	24th	100.7	72.1	86.4	+2.4	79.3	
	West Burdwan	Berhampore	29.704	29.772	—0.111	Southerly	115.0	103.2	26th	67.2	28th	99.8	70.5	85.2	+2.6	78.4	
	Moorsheadabad	Krishnagur	29.730	29.806	—0.080	WSW	117.0	102.7	26th	70.7	27th	100.3	72.8	86.5	+4.9	81.7	
	Nudda	Jessore	29.758	29.792	—0.107	Calm	59.7	99.8	27th	75.4	23rd	98.4	76.9	87.7	+2.0	80.2	
	Jessore	Chittagong	29.733	29.743	—0.103	SSE	142.0	88.1	28th	73.0	22nd	87.2	75.7	81.5	+3.6	80.2	
EAST BENGAL.	Chittagong Hill Tracts	Demagiri						Observations not received.									
	Backergunge	Barrisal	29.780	29.801	—0.107	Calm	114.6	92.8	27th, 28th Mar.	71.4	25th	92.1	75.4	83.8	+3.3	81.1	
	Noakholly	Noakholly	29.769	29.833	—0.095	S	165.7	89.0	24th	67.8	22nd	87.6	75.7	81.8	+2.9	79.1	
	Furreehpore	Furreehpore*	29.766	29.806	—0.101	S	115.8	86.5	23. 24, 25, 27, 28 Mar.	73.4	22nd	80.5	75.1	80.8	+1.4	79.7	
	Dacca	Dacca	29.768	29.791	—0.116	SSW	192.7	95.1	28th	70.2	22nd	93.2	74.6	84.1	+2.4	79.9	
	Commillab	Commillab	29.776	29.812	—0.099	Southerly	148.6	93.3	24th, 27th Mar.	72.3	22nd	91.8	75.4	83.0	+3.6	81.4	
	Mymensingh	Mymensingh	29.723	29.782	—0.126	SSE	95.7	94.9	26th	67.0	23rd	92.4	71.8	82.1	+3.1	78.1	
	Bogra	Bogra	29.072	29.735	—0.124	SSW	166.0	100.8	26th	68.0	29th	93.2	69.9	84.1	+3.9	79.7	
	Pubna	Seraingunge	29.719	29.766	—0.124	S	97.3	97.8	26th	62.7	23rd	95.5	69.2	82.3	+3.2	79.2	
	Rajshahye	Rampore Beat	29.704	29.775	—0.092	SW	102.0	100.6	26th	69.9	24th	98.0	71.8	84.9	+4.0	79.2	
NORTH BENGAL.	Maldah	Maldah	29.678	29.760	—0.056	SW	113.0	101.0	25th, 26th Mar.	69.3*	25th	99.2	68.3*	83.7*	+3.1*	80.7	
	Dinapore	Dinapore	29.300	29.730	—0.168	SW	244.9	100.1	26th	62.7	24th	98.4	66.7	82.5	+3.6	79.1	
	Rungpore	Rungpore	29.615	29.741	—0.118	W	81.7	97.8	26th	62.9	25th	96.4	66.0	81.2	+4.9	79.1	
	Julpigoree	Julpigoree	29.429	29.723	—0.149	Easterly	108.3	95.4	28th	64.4*	26th	92.9	63.4*	73.5*	+6.2*	79.1	
	Cooch Behar	Cooch Behar															
	Darjeeling Hill Tracts	Darjeeling	22.841	—	—	Variable	306.7	64.1	26th	43.6	23rd	62.5	47.7	55.1	+3.2	59.1	
	Purneah	Purneah	29.605	29.725	—0.142	Southerly	246.0	98.8	26th	61.5	24th	96.7	63.8	81.3	+2.6	79.1	
	North Bhagulpore	North Bhagulpore															
	Mozufferpore	Mozufferpore						Observations suspended.									
	Durbhunga	Durbhunga	29.571	29.742	—0.124	WSW	243.0	95.2	25th Mar.	?	?	95.4	?	?	?	?	
NORTH BHAR.	Chumbarun	Motihari	29.513	29.745	—0.146	WSW	388.4	98.2	25th	57.9	23rd	94.1	61.7	77.9	+1.5	79.1	
	Saran	Chupra	29.564	29.769	—0.091	WSW	250.6	95.5	23rd	69.9	24th	95.0	64.7	79.9	—0.1	79.1	
	Shahabad	Dehree	29.557	29.803	—0.067	W	180.2	97.9	25th Mar.	67.5	24th	95.0	69.9	82.5	+1.4	79.1	
	Buxar	Buxar	29.570	29.768	—0.081	Westerly	237.7	96.3	25th	67.5	22nd & 24th Mar.	96.8	68.0	82.7	+1.9	79.1	
	Arrah	Arrah															
SOUTH BHAR.	Gya	Gya	29.429	29.810	—0.065	W	125.3	99.3	25th, 26th Mar.	68.8	22nd	97.2	74.1	86.6	+1.4	79.1	
	Patna	Bankipore	29.383	29.767	—0.191	W	136.5	100.3	15th	67.8	24th	97.0	71.2	84.2	+2.9	79.1	
	South Bhagulpore	Bhagulpore	29.579	29.742	—0.121	WNW	173.9	100.1	25th	68.0	25th	98.3	72.7	85.5	+2.8	79.1	
	Monghyr	Monghyr	29.278	29.775	—0.089	NW	111.1	102.2	26th	69.6	22nd	99.7	71.6	85.7	+3.4	79.1	
	Southern Pergunnahs	Doomka	29.276	29.775	—0.089	NW	111.1	102.2	26th	69.6	22nd	99.7	71.6	85.7	+3.4	79.1	
CHITTA NAGPUR.	Hazaribagh	Hazaribagh	27.797	29.868	—0.073	Westerly	238.5	96.9	26th	66.3	22nd	94.1	68.5	81.3	+1.6	79.1	
	Lohardugga	Ranchee	27.651	29.798	—0.064	Calm & NW	140.2	97.0	26th	65.4	25th	94.0	68.1	81.0	+1.9	79.1	
	Manbhum	Manbhum															
	Singbhum	Chyvasa	29.082	29.100	—0.078	W	50.7	105.3	26th	71.4	25th	101.2	72.6	86.0	+2.2	79.1	

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the years 1871-80. The humidity of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by c and an overcast sky by 10. The mean of the numerical means or average of the rainfall in that district determined from the returns sent in by the subdivisional station for the period in question during the year. Stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 28th of March 1890.

					DISTRICT OBSERVATIONS.												
Average humidity at 5 A.M.	Average cloud amount at 5 A.M. for week.	Rainfall of week at observing station.	OF WEEK.		RAINFALL.										Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
			Mean for district.	Normal mean.	Since 1st of month.			Since 15th May 1889.			Average number of rainy days.	Normal number of rainy days.					
					Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.							
83	0.9	Nil	0.10	0.17	2.63	0.07	+1.08	77.39	57.13	+20.46	0.3	0.0	Poorree	Poorree	ORISSA.		
83	0.9	Nil											Gopalpore	Paise Point			
78	1.0	Nil	0.04	0.18	1.89	1.00	+0.89	68.30	53.79	+14.51	0.2	0.0	Cuttack	Cuttack			
77	0	0.29	0.24	0.32	2.46	1.15	+1.31	62.53	55.52	-2.99	0.8	0.0	Balasore	Balasore			
85	3.1	0.02	0.01	0.19	1.53	0.99	+0.43	59.97	64.65	-4.68	0.7	0.5	Sankor Island	South-West Midnapore	SOUTH-WEST BENGAL.		
80	0	Nil	Nil	0.21	1.03	1.42	-0.39	47.42	53.99	-6.57	0.0	0.5	Midnapore	South 24-Pergunnahs			
83	0.8	Nil	Nil	0.19	0.59	1.19	-0.60	54.09	54.10	+0.59	0.0	0.0	Calcutta	24-Pergunnahs...			
83	0	Nil	Nil	0.32	0.60	1.16	-0.56	44.49	48.90	-4.41	0.0	0.7	Burdwan	Howrah			
41	0.4	Nil	Nil	0.24	0.89	0.96	-0.07	56.82	53.97	+2.85	0.0	0.6	Bankoora	Bankoora	SOUTH-WEST BENGAL.		
47	0	Nil	Nil	0.15	0.09	0.56	+0.13	53.15	53.16	-0.01	0.0	0.6	Raneegunge	Raneegunge			
61	0.7	Nil	Nil	0.29	0.82	0.79	-0.47	51.49	52.13	-0.64	0.0	0.7	Berhampore	West Burdwan			
63	0.7	Nil	Nil	0.44	0.41	1.44	-1.03	52.02	51.62	+0.40	0.0	0.9	Krishnagur	Moorshedabad			
89	4.7	Nil	Nil	0.55	0.21	1.82	-1.61	54.96	56.15	-1.19	0.0	1.0	Jessore	Nuddea	SOUTH-WEST BENGAL.		
85	4.7	Nil	Nil	0.43	2.55	1.76	+0.79	102.90	116.27	-13.37	0.0	1.0	Chittagong	Jessore			
85	4.7	Nil	Nil	0.73	4.29	2.44	+1.85	69.89	84.93	-15.04	0.0	1.1	Demagiri	Khoolna			
85	4.7	Nil	Nil	0.73	4.29	2.44	+1.85	69.89	84.93	-15.04	0.0	1.1	Chittagong Hill Tracts	Chittagong Hill Tracts			
86	5.7	Nil	Nil	0.42	0.50	1.75	-1.25	78.91	79.81	-0.90	0.0	1.0	Barrisal	Chittagong	EAST BENGAL.		
82	0.7	1.15	0.56	0.77	2.80	3.16	-0.36	93.69	111.32	-17.63	0.5	1.0	Backergunge	Backergunge			
90	1.8	0.03	Nil	0.01	1.39	2.30	-0.97	63.61	59.28	+4.33	0.0	1.0	Noakholly	Noakholly			
89	6.9	0.03	0.12	0.93	1.75	2.65	-0.90	77.94	63.45	+14.49	1.0	1.2	Farredpore	Farredpore			
82	4.7	Nil	Nil	1.04	1.83	8.59	-1.76	53.44	73.92	-10.48	0.0	1.2	Dacca	Dacca	EAST BENGAL.		
91	6.1	0.05	0.13	0.76	2.10	1.02	+0.55	91.28	70.15	+21.13	0.2	1.1	Commillah	Commillah			
85	2.1	0.19	0.06	0.51	0.77	1.02	-0.25	66.39	59.03	+7.36	0.8	1.0	Mymensingh	Mymensingh			
82	2.0	Nil	Nil	0.41	2.01	1.33	+0.66	57.38	55.73	+1.65	0.0	0.9	Bogra	Bogra			
51	1.1	Nil	Nil	0.47	0.08	0.91	-0.83	54.43	55.49	-1.06	0.0	0.8	Serajgunge	Pabna	NORTH BENGAL.		
42	0	Nil	Nil	0.10	0.11	0.46	-0.35	39.99	55.27	-15.27	0.0	0.4	Rampore	Rajshahye			
46	0.6	Nil	Nil	0.26	0.04	0.56	-0.32	57.53	58.44	-0.91	0.0	0.6	Maidah	Maidah			
43	0	Nil	Nil	0.20	0.02	1.30	-1.28	85.89	75.59	+10.30	0.0	0.9	Dinagore	Dinagore			
49	0.3	Nil	Nil	0.84	0.06	1.64	-1.58	117.79	113.25	+4.54	0.0	1.0	Rangpore	Rangpore	NORTH BENGAL.		
57	0	0.02	0.03	0.75	0.07	1.74	-1.67	133.53	123.78	+9.75	0.5	1.3	Julpigoree	Julpigoree			
45	0.4	Nil	Nil	0.13	0.05	0.43	-0.38	75.05	59.01	+15.44	0.0	0.4	Cooch Behar	Cooch Behar			
38	0.7	Nil	Nil	0.07	0.07	0.42	-0.35	48.92	44.35	+4.57	0.0	0.3	Darjeeling	Darjeeling			
47	2.0	Nil	Nil	0.04	0.15	0.36	-0.21	64.11	47.53	+16.58	0.0	0.2	Purneah	Purneah	NORTH BENGAL.		
51	0.0	Nil	Nil	0.04	0.17	0.20	-0.03	40.30	43.63	-3.33	0.0	0.3	Parneah	Parneah			
34	2.1	Drogs	Nil	0.02	0.40	0.40	0	40.49	40.85	-0.36	0.0	0.2	North Bhagulpore	North Bhagulpore			
36	0.6	Nil	Nil	0.04	0.26	0.33	-0.08	37.34	42.37	-5.03	0.0	0.2	Mozufferpore	Mozufferpore			
39	2.1	Nil	Nil	0.04	0.26	0.33	-0.08	37.34	42.37	-5.03	0.0	0.2	Durbhunga	Durbhunga	NORTH BENGAL.		
53	1.1	Nil	Nil	0.04	0.13	0.28	-0.16	49.62	42.01	+7.61	0.0	0.2	Motihari	Motihari			
51	1.1	Nil	Nil	0.04	0.06	0.27	-0.21	42.53	43.96	-1.43	0.0	0.2	Chumparun	Chumparun			
29	0	Nil	Nil	0.06	0.44	0.50	-0.06	54.59	51.70	+2.89	0.0	0.3	Saran	Saran			
51	1.6	Nil	Nil	0.05	0.01	0.78	-0.17	43.64	51.83	-8.19	0.0	0.3	Dehree	Dehree	SOUTH BENGAL.		
42	0	0.03	Nil	0.07	1.09	0.76	+0.33	46.63	50.61	-4.98	0.0	0.4	Buxar	Shahabad			
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	Arrah	Shahabad			
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	Gya	Gya			
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	Bankipore	Patna	SOUTH BENGAL.		
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	Bhagulpore	Bhagulpore			
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	South Bhagulpore	South Bhagulpore			
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	Monghyr	Monghyr			
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	Dumka	Sonthal Pergunnahs...	SOUTH BENGAL.		
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	Hazaribagh	Hazaribagh			
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	Ranohi	Ranohi			
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	Lohardugga	Lohardugga			
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	Maukhoom	Maukhoom	SOUTH BENGAL.		
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	Chyebassa	Chyebassa			
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	Chyebassa	Singhbhoom			
51	0.4	0.04	0.03	0.11	1.08	1.03	+0.05	49.84	53.45	-3.61	1.0	0.5	Chyebassa	Singhbhoom			

years. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. Under the head District observations of rainfall the normal mean is the amount representing the part of the sky covered, the whole sky being denoted by 10. The means of the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the subdivisions.

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 28th of March 1890.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1889.	Average rainfall from 15th May to date.
			Saturday 22nd March.	Sunday 23rd March.	Monday 24th March.	Tuesday 25th March.	Wednesday 26th March.	Thursday 27th March.	Friday 28th March.	Number rainy days.	of Rainfall week.				
Oudea	Pooree	Pooree	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Khurdah	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Bampur	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		False Point	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Gop	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
	Cuttack	Satpara	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Pipli	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Jagatsingpore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Banki	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Cuttack	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
SOUTH-WEST BENGAL.	Balasore	Kendrapara	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Jajpore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Dharmasala	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Salipore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Chandbali	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
	Midnapore	Bhuddruck	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Sorah	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Balasore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Jellapore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
		Baripodah	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46
24-Pargunnahs	Contai	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Sangor Island	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Tumlook	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Midnapore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Ghatal	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Kutubhaty	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Garbhaty	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Diamond Har-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	bours	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Canning Town	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
Howrah	Alipore Jail	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Barrackpore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Dum-Dum	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Barasat	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Buseerhat	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Howrah	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Moheareka	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	(Ooloberish.)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Hooghly	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Serampore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
Hurdwan	Hooghly	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Jehansabad	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Quina	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Burdwan	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Catwa	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Kanoojung	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Manku	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Bankoora	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Bishenpore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Maliara	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
Bankoora	Khatra	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Indas	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Kotalpore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Anda	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Gangajalghati	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Raipore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Yonamukhi	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Heerbhoon	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Bh. Soory	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Hetampore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
Nuddes	Rampore Haut	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Boipore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Murari	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Ranaghat	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Kishnaghat	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Choudanga	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Meherpore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Koonhita	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Khoolna	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Satkhira	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
Jessore	Bagirhat	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Khoolna	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Nakipur	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Rampal	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Narail	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Jessore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Jhenidah	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Magoorah	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Bongong	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Moorshedabad	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
Chittagong	Kandi	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Berhampore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Lalbagh	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1	0.10	0.67	0.47	82.05	52.46	
	Azimgunge	0.10	0.10	0.10	0.10	0.10	0.10	0.10							

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 23rd of March 1890—contd.

Administrative Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1889.	Average rainfall from 15th May to date.
			Saturday, 22nd March.	Sunday, 23rd March.	Monday, 24th March.	Tuesday, 25th March.	Wednesday, 26th March.	Thursday, 27th March.	Friday, 28th March.	Number of rainy days.	of Rainfall week.				
BENGAL.	Noakholly	Gournadhi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.35	?	62.66		
		Bauphal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.97	?	55.19		
		Noakholly	1.12	Nil	Nil	Nil	Nil	Nil	Nil	1	1.12	3.09	3.05	105.67	111.76
		Penny	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.49	2.49	81.65	111.17
		Harishpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.95	?	86.27	?
	Furreedpore	Ramganj	0.50	Nil	Nil	Nil	Nil	Nil	Nil	1	0.50	0.50	?	87.25	?
		Madadipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.50	2.53	65.48	58.65
		Furreedpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.64	2.64	68.24	69.27
	Dacca	Gosiano	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.01	1.03	59.06	59.03
		Munshigunge	Nil	Nil	Nil	Nil	0.35	Nil	Nil	1	0.35	2.16	3.67	79.57	78.10
		Dacca	0.04	Nil	Nil	Nil	Nil	Nil	Nil	1	0.04	2.64	2.74	79.66	82.27
		Narainkunge	0.03	Nil	Nil	Nil	0.04	Nil	Nil	2	0.07	1.12	2.02	63.16	63.56
		Masickunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.49	1.58	78.76	52.73
Mymensingh.	Hill Tipperah	Jaydehpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.71	?	69.26	?	
		Agartola	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	3.78	4.03	48.16	66.61
		Comilla	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.29	3.30	80.26	80.26
		Chandpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.19	2.66	67.7	78.34
		Brahmunberia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.16	4.33	55.22	67.34
	Mymensingh.	Ramchandra-pore.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.65	?	61.47	?
		Narainagar	0.40	Nil	Nil	Nil	Nil	Nil	Nil	N	0.40	0.65	?	29.04	?
		Dandkandi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	N	Nil	?	?	55.73	?
		Kasba	Nil	Nil	Nil	Nil	Nil	Nil	Nil	N	Nil	0.66	?	65.10	?
		Lakham	Nil	Nil	Nil	Nil	Nil	Nil	Nil	N	Nil	2.85	?	72.31	?
Bogra	Bogra	Kishoregunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	3.01	2.79	73.81	73.64	
		Atia (Tangail)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.36	1.39	64.65	58.00
		Mymensingh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.18	2.04	140.11	77.09
		Jamshpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.08	1.49	67.09	66.01
		Natrickona	0.65	Nil	Nil	Nil	Nil	Nil	Nil	1	0.65	4.89	2.08	151.36	66.01
	Bogra	Subornakhal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.17	?	65.29	75.25
		Durgapore	0.20	Nil	Nil	Nil	Nil	Nil	Nil	1	0.20	1.84	?	122.12	?
		Sherepore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.69	?	88.86	?
		Deungang	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.18	?	57.26	?
		Deungang	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.18	?	57.26	?
Pabna	Pabna	Pabna	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.71	1.67	50.91	56.10	
		Seragunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.13	1.13	63.81	55.42
	Bogra	Sherepore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.63	1.38	62.70	59.79
		Nowkhila	0.10	Nil	Nil	Nil	Nil	Nil	Nil	1	0.10	1.64	1.19	64.09	56.15
		Bogra	0.06	Nil	Nil	Nil	Nil	Nil	Nil	1	0.06	0.99	0.79	73.32	62.25
Rajshahye	Rajshahye	Panchibibi	0.08	Nil	Nil	Nil	Nil	Nil	Nil	1	0.08	0.41	0.85	66.39	57.09
		Beaulash	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Nattore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.13	0.84	58.97	56.61
		Naogaon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.10	1.18	57.97	53.01
		Lalpara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.03	?	36.75	?
	Maldah	Mando	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	45.27	?
		Maldah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.21	0.59	50.80	52.33
		Chanchal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.32	0.32	51.06	51.06
		Gajol	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	30.79	?
		Sibganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.34	?	52.11	?
Dinapore	Dinapore	Mohadehpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.18	0.65	53.81	57.68	
		Churamon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.32	0.32	51.82	53.37
		Raigunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.41	0.41	52.37	53.75
		Dinapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.86	0.86	68.33	64.78
		Rainchhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.56	?	61.29	52.37
	Rangpore	Thakurgaon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	87.81	?
		Bhawanigunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.43	88.39	63.57
		(Gyabanda)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.06	1.14	76.04	70.68
		Rangpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.62	1.62	91.65	76.27
		Kurigan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.03	1.03	58.49	56.69
Jalpigoree	Jalpigoree	Badoga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.46	?	80.55	?	
		Nilphamari	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Utopore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Utopore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Utopore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
	Jalpigoree	Alipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.60	123.45	118.88	?
		Alipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	118.58	?
		Falacotta	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	123.25	?
		Debiganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	90.74	?
		Bhagatpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	133.22	?
Cooch Behar	Cooch Behar	(Nagarkatta).	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.65	1.56	98.86	98.86	
		Dinnahat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.13	1.60	196.02	120.19
		Cooch Behar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	192.46	107.67
		Mukilganga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.11	2.13	218.16	114.22
		Matabhanga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.48	2.48	192.38	196.19
	Darjeeling Hill.	Rangpo	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.47	1.47	124.62	125.15
		Siliguda	0.02	Nil	Nil	Nil	Nil	Nil	Nil	1	0.02	0.8	1.91	128.36	111.18
		Darjeeling	0.10	Nil	Nil	Nil	Nil	Nil	Nil	1	0.10	0.29	1.98	92.35	83.08
		Kalimpong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	170.23	?
		Kalimpong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	170.23	?
Purneah	Purneah	Kisankupur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.29	0.29	100.07	71.46
		Attarak	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.30	0.30	79.75	64.71
		Purneah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.37	0.37	63.62	62.53
		Gondwana	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Balarampore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
	North Bhagulpore.	Mafiar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Kaliaganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Maddapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.10	0.35	60.95	50.6
		Socpool	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.10	0.33	67.36	43.90
		Protogangj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	85.16	?
Durbhunga	Durbhunga	Tajpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.07	0.21	42.03	43.82	
		Durbhunga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.13	0.28	59.37	46.57
		Madhubani	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.05	0.40	63.01	52.7
		Bahera	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.13	?	70.09	?
		Kochera	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.6	?	55.89	?
	Mozufferpore	Sitamathi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.04	0.68	55.40	44.00
		Mozufferpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.11	0.36	45.58	40.35
		Haliopore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.07	0.31	42.00	42.82
		Fara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	27.89	?
		Mahua	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.20	?	41.02	?
Mozufferpore	Sudhar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?	
	Pupri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.54	?	48.48	?	

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 28th of March 1890—continued.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall from 15th May 1889.	Average rainfall from 1st of May date.
			Saturday, 22nd March.	Sunday, 23rd March.	Monday, 24th March.	Tuesday, 25th March.	Wednesday, 26th March.	Thursday, 27th March.	Friday, 28th March.	Number of rainy days.	of Rainfall week.				
NORTH BHAR	Chumprun...	Motihari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.19	0.35	75.53	4.00
		Bettiah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.12	0.37	52.60	4.00
		Bagaha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.11	?	70.44	4.00
SOUTH BHAR	Shahabad	Burhaur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.23	?	51.93	4.00
		Gopalgunge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.25	0.12	35.73	4.00
		Chuprah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.14	0.22	44.43	4.00
SOUTH BHAR	Shahabad	Buxar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.11	0.27	40.85	4.00
		Dehree	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.39	0.26	47.74	4.00
		Bhaboosh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.20	0.05	41.02	4.00
SOUTH BHAR	Gya	Sasmeram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.45	0.53	38.01	4.00
		Arrah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.05	0.23	30.81	4.00
		Mohanika	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.23	?	41.82	4.00
SOUTH BHAR	Gya	Aurungabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.20	0.34	35.02	4.00
		Gya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.35	0.31	40.20	4.00
		Nowadah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.13	0.40	39.72	4.00
SOUTH BHAR	Patna	Jehanabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.30	0.28	33.77	4.00
		Arwal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.15	?	31.40	4.00
		Bandanagar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.11	?	26.80	4.00
SOUTH BHAR	Patna	Sherrphati	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.02	?	17.94	4.00
		Rajauli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	?	?	31.90	4.00
		Pakri Barawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	?	?	31.90	4.00
SOUTH BHAR	Monghyr	Begoochrai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.07	0.29	51.59	4.00
		Monghyr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.17	0.31	45.53	4.00
		Jamui	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.19	0.32	41.29	4.00
SOUTH BHAR	South Bhagulpore	Barrh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.20	?	36.03	4.00
		Bickram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.20	?	31.44	4.00
		Hiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.25	?	35.04	4.00
SOUTH BHAR	South Bhagulpore	Begoochrai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.05	0.19	47.75	4.00
		Monghyr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.28	0.28	41.77	4.00
		Jamui	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.35	0.35	39.58	4.00
SOUTH BHAR	South Bhagulpore	Gogri	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	?	?	38.19	4.00
		Shakhpura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	?	?	43.32	4.00
		Bhagalpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.23	0.23	45.08	4.00
SOUTH BHAR	South Bhagulpore	Rarke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.30	0.30	38.48	4.00
		Kolgong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.14	?	40.97	4.00
		Bangson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	?	?	?	4.00
SOUTH BHAR	Sonthal Per gunnahs.	Rajmahal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.07	0.30	59.97	4.00
		Godda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.70	0.34	49.74	4.00
		Pakour	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.24	0.51	73.83	4.00
SOUTH BHAR	Sonthal Per gunnahs.	Nya Dooka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.33	0.64	57.10	4.00
		Deoghur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.42	0.55	40.82	4.00
		Jamuna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.83	0.66	46.00	4.00
SOUTH BHAR	Sonthal Per gunnahs.	Mohapama	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	?	?	?	4.00
		Nasihat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	1.00	?	50.57	4.00
CHUTIA NAG-PUR.	Hazaribagh	Pachamba	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.34	0.64	39.24	4.00
		(Giridih)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.41	0.67	49.51	4.00
		Hazaribagh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.74	1.14	36.98	4.00
CHUTIA NAG-PUR.	Lohardugga	Sontagurab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.76	0.76	40.25	4.00
		Mahudi Hill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.40	0.72	43.40	4.00
		Jhoomra Hill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.67	?	32.03	4.00
CHUTIA NAG-PUR.	Lohardugga	Barhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	1.05	?	47.09	4.00
		Chatra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.70	?	49.05	4.00
		Kargudeha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	?	?	?	4.00
CHUTIA NAG-PUR.	Lohardugga	Rampahar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	?	?	?	4.00
		Lohardugga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	1.40	0.64	46.73	4.00
		Ranchi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	2.62	1.04	36.23	4.00
CHUTIA NAG-PUR.	Singbhoom	Palamow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.96	0.58	33.12	4.00
		Silli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.40	?	31.20	4.00
		Balumat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	?	?	?	4.00
CHUTIA NAG-PUR.	Singbhoom	Hosseinabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.30	?	44.79	4.00
		Garewah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.06	?	29.43	4.00
CHUTIA NAG-PUR.	Singbhoom	Chyebassa	0.03	0.00	0.00	0.00	0.00	0.00	0.00	1	0.03	1.08	1.03	40.84	4.00
		Chakradhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	?	?	?	4.00
		Chatilla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	2.13	?	60.83	4.00
CHUTIA NAG-PUR.	Singbhoom	Bakaragura	0.10	0.00	0.00	0.00	0.00	0.00	0.00	1	0.10	3.97	?	57.37	4.00
		Parulia	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1	0.01	0.97	1.03	44.40	4.00
		Gobindpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.96	0.47	34.05	4.00
CHUTIA NAG-PUR.	Singbhoom	Naghenath	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.41	?	46.32	4.00
		Pras	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	?	?	?	4.00
		Barrabhoon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	1.50	?	45.52	4.00
CHUTIA NAG-PUR.	Singbhoom	Jhaida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.38	?	51.80	4.00
		Onas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.80	?	59.42	4.00

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 1st April 1890.

THE meteorology of the present week has been chiefly noteworthy for the very dry weather which has prevailed over the whole province, and consequently the high and steadily increasing temperature. The low-pressure area, which has been over Bengal for some time, has still continued, there being a uniform large defect, not so pronounced as in the previous week, but at a large majority of stations averaging a tenth of an inch, while at some it was considerably more, and only in the western parts sensibly under a tenth of an inch.

Pressure—As stated above, has been uniformly very low, especially over an area extending from the centre of the province northwards over North Bengal. The largest defects have been in Purneah and Julpigoree, averaging for the week in these districts nearly 0·15 inch. In East Bengal defect has generally been over a tenth of an inch, and in the other districts very little under a tenth except in Chutia Nagpur, where it has been about seven-hundredths of an inch.

Excess in the means for the large divisions ranges from 1.2° to 3.6° , South-West, East and North Bengal and South Behar all being over 3° , and the others under 2° .

The actual temperatures during the week, the range from day to night, and their variation from the normals, are seen in the following table, where the average maximum, minimum and mean temperatures at nine typical stations in different districts in the province are given together with their normal values :—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 28th March 1890.

						Normal mean maximum temperature for the week ending 28th March.	Actual mean maximum temperature for the week ending 28th March 1890,	Variation of actual mean from the normal,	Normal mean minimum temperature for the week ending 28th March.	Actual mean minimum temperature for the week ending 28th March 1890,	Variation of actual mean from the normal,	Normal mean daily temperature for the week ending 28th March.	Actual mean daily temperature for the week ending 28th March 1890,	Variation of actual mean from the normal,
Cuttack	90°	87°	89°	86°	88°	88·5	112·0	+23·5	74·3	77·0	+2·7	86·4	89·4	+3·0
Calcutta	92°	90°	91°	88°	90°	90·9	97·1	+6·2	72·1	75·3	+3·2	82·5	84·2	+1·7
Dacca	88°	86°	87°	84°	86°	86·0	94·0	+8·0	71·8	74·8	+3·0	84·0	86·4	+2·4
Burdwan	91°	89°	90°	87°	89°	89·0	100·5	+11·5	71·4	73·3	+1·9	84·2	86·9	+2·7
Patna	91°	89°	90°	87°	89°	89·4	97·0	+7·6	67·5	71·2	+3·7	81·5	84·1	+2·6
Gya	91°	89°	90°	87°	89°	89·5	97·3	+7·8	70·3	74·1	+3·8	84·4	86·6	+2·2
Furnessah	90°	88°	89°	86°	88°	88·1	96·7	+8·6	67·6	68·3	+0·7	79·4	81·2	+1·8
Rasoribagh	90°	88°	89°	86°	88°	88·9	94·1	+5·2	67·6	68·5	+0·9	81·3	81·3	+0·0
Darjeeling	90°	88°	89°	86°	88°	88·0	92·5	+4·5	43·6	47·7	+4·1	51·8	55·1	+3·3

Rainfall—Has been very scanty, four of the divisions, viz, South-West Bengal, Behar and Chutia Nagpur being entirely rainless, while in Orissa only the fall has exceeded a tenth of an inch. The few showers reported fell during the first two days of the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 28th of March 1890 :—

March 1890 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE							RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.				Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1889.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average.		Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.	
Orissa	106°4	71°8	92°0	77°0	84°3	+1°9	0°13	0°23	-0°10	0°5	0°7	-0°2	2°29	0°07	64°44	55°34	
South-West Bengal	107°4	67°2	90°1	74°2	80°6	+5°7	Nil	0°30	-0°30	0°0	0°9	-0°9	0°57	1°19	53°38	54°19	
East Bengal	95°1	57°3	90°1	74°9	82°3	+3°1	0°09	0°73	-0°64	0°2	1°2	-1°0	1°09	2°43	78°50	77°74	
North Bengal	101°0	54°4	96°9	67°2	82°0	+3°6	0°01	0°49	-0°48	0°1	1°1	-1°0	0°32	1°09	73°86	72°06	
North Behar	98°8	57°9	85°3	64°1	79°7	+1°2	Nil	0°07	-0°07	0°0	0°3	-0°3	0°10	0°35	58°00	49°57	
South Behar*	102°2	67°3	97°3	71°4	84°4	+2°9	Nil	0°04	-0°04	0°0	0°2	-0°2	0°26	0°37	44°44	44°67	
Chutia Nagpur	97°0*	65°4*	94°1*	68°3*	81°2*	+1°8*	Nil	0°08	-0°08	0°0	0°3	-0°3	1°02	0°80	41°10	51°04	

* Denree and Chynbassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 1st April 1890.

C. LITTLE,
For Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 23rd to 29th March 1890.

MONTH.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	TEMPERATURE.					HYGROMETRY.				Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
Mar. 1890 ...	23rd ...	29.778	85.9	97.0	22.2	74.8	89.6	70.6	.494	58.6	36	.....
" " ...	24th ...	799	87.0	98.0	22.0	76.0	88.8	77.5	.792	72.2	58	.....
" " ...	25th ...	749	88.2	99.0	21.6	77.4	87.8	80.5	.944	70.4	72	.....
" " ...	26th ...	782	88.0	100.9	24.0	76.0	90.6	72.6	.560	62.2	39	.....
" " ...	27th ...	805	87.2	98.5	22.7	75.8	89.6	74.5	.652	66.5	47	.....
" " ...	28th ...	844	87.8	99.5	23.5	76.0	89.6	77.5	.782	71.8	56	.....
" " ...	29th ...	836	89.7	101.5	23.7	77.8	89.8	79.5	.870	75.0	62	.....

The mean 10 A.M. pressure of the seven days Inches.
29.799

The mean temperature of the seven days 87.7

The extreme variation of temperature 26.7

The maximum temperature 101.5

The mean 10 A.M. relative humidity of the seven days %
53

The total fall of rain from 23rd to 29th March 1890 Inches.
Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 31st March 1890.

MEMORANDUM.

THE deaths registered during the month of January 1890 in 45 districts in Bengal were 124,642, or at the rate of 22.68 per 1,000 among a population of 65,859,534, in opposition to 184,528, or 33.60 per 1,000 in the preceding month, 125,953, or 22.92 per 1,000 in January 1889, and an average of 128,224, or 23.28 per 1,000 in the corresponding month of past five years 1885-89. In comparison with the preceding month (December) there was a large decrease of mortality, amounting to 10.92 per 1,000, but in contrast with the mortality of January 1889 and the average of the corresponding month of the past five years 1885-89 there was a deduction of .24 and .60 per 1,000 respectively.

2. The following districts returned the highest proportions of deaths. For comparison the mortality in the same districts during the corresponding month of 1889 is also shown:—

Districts.	Ratio per mille during—		Districts.	Ratio per mille during—	
	Jan'y. 1890.	Jan'y. 1889.		Jan'y. 1890.	Jan'y. 1889.
Backerganj	40.44	34.68	Chittagong	31.68	25.68
Noakhali	37.20	34.56	Darjiling	31.08	23.76
Poori	34.32	27.00	Bogra	30.36	27.48
Jessore	33.36	31.80	Tipperah	30.00	31.20
Cuttack	33.36	22.20	Faridpore	29.88	22.44
Serampore	32.64	26.52	Howrah	29.28	25.56
Rungpore	32.52	30.36	Balasore	28.32	29.64
Julpaiguri	32.52	30.72	Khulna	27.72	29.64
Rajshahye	32.40	28.20	Hughli	26.40	26.40
Dinajpur	32.28	29.28	Dacca	25.56	25.44

3. The following table compares the mortality of January 1890 from the undermentioned registered death-causes with that of the corresponding month of the previous year, and the average rate of the corresponding months of the past five years 1885-89:—

	Ratio per mille during—		
	January 1890.	January 1889.	Mean of previous five years, 1885-89.
Cholera	1.92	.96	1.56
Small-pox	.10	.10	.08
Fever	16.08	16.80	17.16
Bowel-complaints	.72	.72	.84
Injury	.12	.12	.12
Other causes	3.48	3.84	3.36

It will be seen that the death-rate of January 1890, under the head cholera, is twice as great as that of January 1889, but only a little higher than the average rate of the five years 1885-89. Under the head fever, there was a noticeable reduction in January 1890 as compared with the average rate of the past five years. The mortality under the other heads was pretty much the same as in corresponding past periods.

4. The following table shows the districts in which the death-rates from cholera, fever and the maladies coming under the head "Other causes" were highest:—

Cholera.	Ratio per mille.	Fever.	Ratio per mille.	Other Causes.	Ratio per mille.
Faridpore	8.76	Julpaiguri	30.72	Poori	18.96
Jessore	7.56	Dinajpur	30.48	Backerganj	11.28
Backerganj	6.96	Rungpore	30.36	Cuttack	9.48
Tipperah	6.72	Noakhali	28.80		
Dacca	5.84	Rajshahye	26.04		
Howrah	4.92	Darjiling	24.12		
24 Pergunnahs	4.56	Jessore	23.64		
Rajshahye	4.56	Bogra	23.28		
Noakhali	3.96	Chittagong	23.04		
Khulna	3.60	Backerganj	21.24		
Midnapore	2.88	Serampore	20.88		
Chittagong	2.88	Pubna	20.88		
Bogra	2.76				
Serampore	2.64				
Mymensing	2.64				
Pubna	2.16				

5. The mortality of the month, under review, according to Sex, Class and Age, was distributed as follows:—

According to Sex.		According to Class.		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	24.36	Christians	15.96	Under 1 year	168.72
Females	21.00	Hindus	21.12	1 and under 5 years	21.72
Ratio of male deaths to every 100 female deaths calculated on the proportion such mortality bears to the total male and female population	108	Mahomedans	26.52	5 " 10 "	10.08
		Buddhists	27.72	10 " 15 "	8.76
		Other classes	12.96	15 " 20 "	14.16
				20 " 30 "	14.16
				30 " 40 "	16.68
				40 " 50 "	22.44
				50 " 60 "	33.84
				60 years and upwards	63.48

Detailed information regarding the mortuary statistics of the 45 districts in Bengal dealt with in the above summary will be found in the statement appended.

W. H. GREIG, Dip. Publ. Health, Camb.,
Sanitary Commissioner for Bengal.

The 31st March 1890.

Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of January 1890.

		POPULATION.		DEATHS FROM—										RATIO PER 1,000 OF POPULATION PER ANNUM.				COMPARISON WITH PREVIOUS PERIODS.				DEATHS AMONG—		RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male deaths to every 100 female deaths, calculated on the proportion each male fully bears to the total male and female population.	
				DISEASE.																							

DIVISIONS.		DISTRICTS.		DEATHS AMONG—										MORTALITY ACCORDING TO—										RATIO PER 1,000 OF POPULATION PER ANNUM.									
				CLASS.					RATIO PER 1,000 OF POPULATION PER ANNUM.					Age.					RATIO PER 1,000 OF POPULATION PER ANNUM.					Age.					RATIO PER 1,000 OF POPULATION PER ANNUM.				
				Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	5 years and under 10.	10 years and under 15.	15 years and under 20.	20 years and under 30.	30 years and under 40.	40 years and under 50.	50 years and under 60.	60 years and up.	Under 1 year.	5 years and under 10.	10 years and under 15.	15 years and under 20.	20 years and under 30.	30 years and under 40.	40 years and under 50.	50 years and under 60.	60 years and up.		
BURDWAN.	Burdwan	1	1,774	420	...	...	...	...	15,068	18,308	39,460	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Bankura	...	1,038	36	...	...	...	...	13,302	15,302	34,332	...	...	214	121	54	45	60	118	123	123	123	218	93,360	11,880	4,290	4,950	7,920	10,080	10,740	19,440	20,220	46,708
	Medinipur	...	1,130	228	...	...	...	...	11,500	13,500	31,440	...	...	498	150	82	51	51	142	133	111	117	108	293,360	20,720	7,200	7,560	10,080	10,740	10,740	19,440	20,220	46,708
	Hughli	...	1,130	228	...	...	...	...	11,500	13,500	31,440	...	...	498	150	82	51	51	142	133	111	117	108	293,360	20,720	7,200	7,560	10,080	10,740	10,740	19,440	20,220	46,708
PRESIDENCY.	Total (Hughli includ- ing Serampore).	1	1,608	424	...	...	...	...	18,210	20,904	39,776	...	...	379	218	121	74	123	290	321	304	218	374	168,480	15,860	6,190	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Howrah	4	1,171	378	...	...	...	...	18,210	20,904	39,776	...	...	297	215	100	40	64	101	132	123	124	270	191,380	15,720	5,330	5,450	7,920	10,080	10,740	19,440	20,220	46,708
	24-Parganas	11	2,139	1,100	...	...	...	...	18,210	20,904	39,776	...	...	406	181	305	146	212	413	532	328	241	570	191,380	15,720	5,330	5,450	7,920	10,080	10,740	19,440	20,220	46,708
	Jessore	1	927	1,110	...	...	...	...	18,210	20,904	39,776	...	...	419	150	172	110	191	295	183	153	154	582	151,880	13,920	8,160	7,920	10,080	10,740	10,740	19,440	20,220	46,708
RAJSHAHY.	Kushtia	...	1,070	1,114	...	...	...	...	18,210	20,904	39,776	...	...	324	183	113	79	170	170	170	150	150	328	139,750	15,480	7,440	7,080	9,600	10,440	10,440	19,440	20,220	46,708
	Kushtia	...	1,070	1,114	...	...	...	...	18,210	20,904	39,776	...	...	324	183	113	79	170	170	170	150	150	328	139,750	15,480	7,440	7,080	9,600	10,440	10,440	19,440	20,220	46,708
	Rangpur	...	1,070	1,114	...	...	...	...	18,210	20,904	39,776	...	...	324	183	113	79	170	170	170	150	150	328	139,750	15,480	7,440	7,080	9,600	10,440	10,440	19,440	20,220	46,708
	Rangpur	...	1,070	1,114	...	...	...	...	18,210	20,904	39,776	...	...	324	183	113	79	170	170	170	150	150	328	139,750	15,480	7,440	7,080	9,600	10,440	10,440	19,440	20,220	46,708
DACCA.	Dacca	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Dacca	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Dacca	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Dacca	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
CHITTAGONG.	Chittagong	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Chittagong	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Chittagong	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Chittagong	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
PATNA.	Patna	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Patna	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Patna	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Patna	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
BHAGALPORE.	Bhagalpore	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Bhagalpore	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Bhagalpore	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Bhagalpore	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
ORISSA.	Orissa	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Orissa	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Orissa	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Orissa	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
CHOTA NAGPORE.	Chota Nagpore	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Chota Nagpore	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Chota Nagpore	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
	Chota Nagpore	...	1,174	420	...	...	...	...	18,210	20,904	39,776	...	...	413	171	85	97	115	297	283	248	207	310	156,798	15,000	6,130	8,760	11,760	13,980	15,840	19,440	20,220	46,708
TOTAL FOR THE PROVINCE.		130	75,465	47,458	184	1,803	15,968	21,112	39,722	27,72	13,96	21,760	14,810	8,400	4,301	5,																	

MEMORANDUM.

THE birth and death returns of the principal Municipalities in Bengal for the week ending 15th March 1890 present the following results:—

1. Births were registered at the rate of 20·9 per 1,000 of population, and deaths at 21·7. The ratios of the preceding week ending 8th March were 19 and 20·2 per 1,000 respectively. There was thus an improvement in the registration of both births and deaths during the week ending 15th March.

2. These events were recorded in the highest proportions in the following Municipalities:—

<i>Births.</i>			<i>Deaths.</i>		
		Ratio per mille.			Ratio per mille.
Comillah	...	50·1	Poori	...	100·7
Rampore Beaulah	...	47·3	Comillah	...	53·9
Serampore	...	35·3	Gya	...	48·5
Narainganj	...	33·1	Serampore	...	37·3
Monghyr	...	31·6	Darjiling	...	37·0
Bhagulpore	...	30·8	Hughli and Chinsurah	...	31·2
Arrah	...	29·9	Jessore	...	30·6

3. The mortality from the registered death-causes mentioned below does not exhibit any noticeable differences in comparison with the death-rates from the same causes during the preceding week ending 8th March:—

		Ratio per mille during the weeks ending—	
		15th March 1890.	8th March 1890.
Cholera	...	4·2	3·5
Small-pox	...	7	5
Fever	...	8·3	7·4
Bowel-complaints	...	2·4	2·4
Injury	...	3	5
Other causes	...	5·4	5·9

4. Of the death-causes above indicated, while small-pox continued to prevail with great severity in the Poori town (mortality 16·8 per 1,000 of population against the same ratio in the preceding week ending 8th March), cholera, fever, bowel-complaints and the maladies coming under the head of "Other causes" proved conspicuously fatal in the following Municipalities:—

<i>Cholera.</i>		<i>Fever.</i>		<i>Bowel-complaints.</i>		<i>Other causes</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Comillah	46·2	Darjiling	37·0	Poori	14·7	Gya	18·4
Poori	39·8	Rampore Beau-				Serampore	13·7
Gya	8·9	lah	21·0			Poori	12·6
Howrah	8·0						
Hughli and Chin-							
surah	6·6						
Midnapore	6·2						
Burdwan	6·1						

5. The mortality of the week classified under the heads of *Sex*, *Class* and *Age* stood as follows:—

<i>According to Sex.</i>		<i>According to Class.</i>		<i>According to Age.</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	24·8	Christians	29·9	Under 1 year	133·2
Females	18·4	Hindus	23·1	1 and under 5 years	17·9
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population	134	Mahomedans	18·0	5 " 10 "	11·3
		Other classes	76·8	10 " 15 "	8·1
				15 " 20 "	17·3
				20 " 30 "	10·8
				30 " 40 "	18·1
				40 " 50 "	21·2
				50 " 60 "	25·5
				60 years and upwards	68·8

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

The 31st March 1890.

DISTRICTS.		NAMES OF MUNICIPALITIES.		POPULATION.			BIRTHS.			DISEASE.										SEX.			Ratio of male deaths to every 100 female deaths, calculated on the proportion of the total male and female population.										
				Males.	Females.	Total.	NUMBER OF —	RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male births to every 100 female births.	DEATHS FROM —							RATIO PER 1,000 OF POPULATION PER ANNUM.						DEATHS.	Males.	Females.							
								Males.	Females.		Total.	Males.	Females.	Total.	Cholera.	Small-pox.	Fever.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.					Small-pox.	Fever.	Bowel-complaints.	Injury.	Other diseases.	All causes.	
																																	Ratio of deaths per 1,000 of the previous week.
Burdwan	Burdwan	18,083	16,017	34,080	5	7	12	76	107	183	71	4	1	6	1	...	4	16	61	173	92	15	...	...	61	244	275	8	230	250	88		
Midnapore	Midnapore	16,927	16,633	33,560	10	3	13	153	46	301	333	4	...	5	2	...	6	17	62	...	77	31	...	...	93	263	291	12	389	166	236		
Hugli	Hugli and Chinsurah.	14,858	13,829	28,687	3	9	12	49	148	197	33	4	1	5	3	...	6	19	68	16	83	49	...	...	98	312	338	14	459	164	279		
Serampore	Serampore	13,559	12,937	26,496	12	6	18	235	113	353	260	...	...	7	3	...	7	19	59	...	137	59	...	...	137	373	334	14	537	301	267		
	Utterpara	3,046	2,454	5,510	2	1	3	189	94	283	200	1	...	1	1	...	...	3	94	...	94	94	...	...	...	...	283	661	1	171	422	41	
Howrah	Howrah	53,153	37,660	90,813	27	17	44	155	97	252	138	14	2	9	9	1	4	39	80	11	51	51	...	...	23	223	213	22	17	316	235	91	
	Bali	7,806	6,979	14,815	1	1	2	35	35	70	100	2	...	1	1	...	1	5	70	...	35	55	...	...	...	...	176	149	3	109	149	133	
Nuddea	Kishanpur	13,253	14,214	27,467	4	8	12	76	151	227	89	...	...	4	...	...	1	5	...	...	76	...	...	...	...	...	19	95	189	3	118	73	169
	Banaghat	4,028	4,055	8,083	...	1	1	...	60	60	No male birth.	1	...	1	...	...	1	3	60	...	60	...	...	...	...	...	60	180	369	2	258	112	231
Jessore	Santipore	13,708	15,979	29,687	6	5	12	105	165	270	160	...	...	11	...	...	1	12	...	...	193	...	...	...	...	...	17	210	35	6	228	195	116
Rajshahye	Jessore	4,830	3,665	8,495	1	3	4	61	184	245	33	...	...	1	1	...	1	5	...	...	61	61	...	...	...	...	61	306	245	3	323	284	113
Darjiling	Rampore Beaulah	10,766	9,025	19,791	8	10	18	210	263	473	89	...	...	8	...	...	...	8	...	...	210	...	...	...	...	...	...	210	342	4	193	250	83
	Darjiling	4,579	2,452	7,031	2	...	2	148	...	148	No female birth.	...	...	3	...	...	...	5	...	...	370	...	...	...	...	...	...	...	...	1	114	853	13
Dacca	Dacca	42,782	37,379	80,161	11	4	15	71	26	97	273	2	...	...	...	...	...	17	13	...	43	13	...	...	...	...	...	...	...	...	...	...	169
	Narainganj	7,695	4,965	12,661	3	5	8	124	207	331	30	1	...	...	1	3	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	No female death.
Chittagong	Chittagong	13,340	8,790	22,130	4	2	6	94	47	141	99	...	...	...	...	...	...	14	40	...	...	...	...	...	...	...	...	...	...	...	...	...	184
Tippurah	Comilla	8,143	5,353	13,506	12	1	13	462	39	501	1,290	12	...	...	...	...	1	14	36	...	43	13	...	...	...	...	...	...	...	...	...	...	...
Patna	Patna City	78,782	81,475	160,257	26	23	49	84	75	159	113	1	1	14	3	...	17	36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gya	Gya	35,290	37,831	73,121	15	13	28	102	89	191	115	13	...	29	...	...	27	71	89	...	198	...	...	...	...	...	...	...	...	...	...	...	...
Shahabad	Arrah	26,966	22,505	49,465	9	16	25	108	191	299	56	...	...	...	...	...	...	16	...	...	72	86	...	...	...	...	...	...	...	...	...	...	...
Monrotpore.	Monrotpore	15,054	19,653	34,742	8	4	12	97	49	146	290	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Durbbanga	Durbbanga	25,774	33,322	59,096	12	8	20	94	63	157	169	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sevan	Chupra	52,116	24,554	76,670	8	8	16	80	80	161	160	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Blachulpore	Blachulpore	19,640	27,813	47,453	13	21	34	118	190	308	61	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Monohyr	Monohyr	25,154	29,366	54,520	18	17	35	163	153	316	105	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pursoah	Pursoah	8,465	6,223	14,616	1	5	6	35	173	208	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Poori	Poori	13,347	11,537	24,784	5	3	7	192	42	147	259	19	8	7	7	1	6	48	398	168	147	147	...	...	...	...	...	...	...	...	...	...
Total	Total	560,982	510,438	1,071,420	230	201	427	111	98	309	112	80	14	100	57	7	111	444	42	7	83	24	...	...	...	...	...	...	...	...	...	...	134

DISTRICTS, NAMES OF MUNICIPALITIES.		MORTALITY ACCORDING TO—										Age.									
		Class.					Age.										Ratio per 1,000 of Population per Annum.				
		Deaths among—					Deaths.										Ratio per 1,000 of Population per Annum.				
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up-wards.
Bardwan	Bardwan	14	2	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Midnapore	Midnapore	13	4	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hugli	Hugli and Chinsurah	13	6	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Serampore	Serampore	16	3	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Howrah	Howrah	25	10	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nuddea	Nuddea	4	1	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Jessore	Jessore	5	2	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Rajshahye	Rajshahye	4	4	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Darjiling	Darjiling	2	1	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dacca	Dacca	11	6	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chittagong	Chittagong	1	1	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tipperah	Tipperah	4	10	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Palna	Palna	31	5	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Gya	Gya	25	13	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Shahabad	Shahabad	6	4	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Moulvibazar	Moulvibazar	9	3	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Durgha	Durgha	14	6	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Saran	Saran	8	2	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Bhagalpore	Bhagalpore	13	4	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Monghyr	Monghyr	20	1	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Purneah	Purneah	1	2	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Poori	Poori	45	...	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL	TOTAL	537	162	...	...	...	65	33	34	15	27	44	61	51	58	57	135	172	113	51	58

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1889-90.

Areas leased for irrigation up to the end of January 1890.

CIRCLE.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilized.	Approximate area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the same date last year.	DETAILS OF AREAS LEASED.										Rainfall, 1889-90.		REMARKS.
								Annual lease.						Grand Total.		Rainfall, 1889-90.				
								Five years, all crops.	Five years, kharif.	Kharif.	Rabi.	Sugarcane.	Bhadol.	Hot-weather.	Total.	During month.	Up to end of month.	During month.	Up to end of month.	
Orissa	Cuttack	Taldanda, 1st reach	C. ft. 1,342	.....	.....	Acres. 10,483	Acres. 27,021	Acres. 10,483	Acres. 384	Acres. 12	Acres.	Acres.	Acres. 306	Acres. 10,879	Inches. 72.22	Inches. 65.45	Inches. 69.48	Decrease in annual leases in the Arrah and Buxar divisions due to transfers to 5 years leases.	
		Ditto, 2nd "	666	.....	.....	.....	.....	.....	222	14	.....	.....	.....	206	27,984	.....	.....		48.32
		Kendrapara	1,067	163.24	52.38	48,566	49,188	61,379	393	.....	.....	.....	4,061	55,440	0.40	75.96	48.33		
		Gohri	375.82	13.21	8.94	1,870	1,717	2,399	215	.....	.....	.....	213	2,694	0.21	65.38	37.92		
		Do. extension	648	17.37	14.08	1,840	2,345	2,054	7	.....	.....	.....	7	2,098	.....	71.40	46.45		
		Patanbondi	885	69.50	32.73	7,616	9,293	10,483	543	.....	.....	.....	623	11,111	No gauge fixed.	.....	.....		.....
		High Level, Range I	608	56.62	.....	15,341	18,072	25,148	480	3	.....	.....	483	25,031	.....	72.68	38.46		
		Ditto, Range II	727.16	.....	.....	2,388	2,392	3,302	61	.....	.....	.....	61	2,433	.....	49.98	61.12		.....
		Ditto, ditto III	727.16	.....	.....	35,740	29,898	34,800	88	156	.....	.....	88	34,457	.....	.....	.....		.....
		Total	.....	.....	154,000	141,340	166,451	125	6,805	176	.....	.....	6,175	172,634	.....	.....	.....		.....
South-Western R.R.	Midnapore	Total of the corresponding period of last year	.....	.....	.....	.....	.....	155,759	2,977	.....	.....	3,177	198,007	.....	.....	.....	.....	Whole month discharging. 8 days discharging.	
		Midnapore	1,411	45	61.732	40,709	40,709	61,288	11	.....	.....	.....	11	61,289	.....	46.91	1.63		63.20
		Panchikotah	522	17	3.465	4,619	389	4,388	440	.....	.....	.....	440	4,838	.....	61.21	0.26		55.68
		Total reaches, Ranges I-II	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	318	.....	.....	.....		.....
SOUTH-EASTERN R.R.	Shahabad	Total	.....	.....	.....	.....	.....	65,904	451	.....	.....	451	68,445	.....	.....	.....	.....	Decrease in annual leases in the Arrah and Buxar divisions due to transfers to 5 years leases.	
		Total of the corresponding period of last year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	68,445	.....	.....	.....		.....
		Western Main	4,348	1,238	41	20,788	27,063	60,522	44	1,202	.....	.....	1,242	61,708	.....	.....	.....		.....
		Buxar	1,265	348	164	76,472	85,371	.....	2,820	140	.....	4	6,144	21,492	.....	47.59	1.29		41.12
SOUTH-EASTERN R.R.	Patna and Gaya.	Arrah	2,000	745	585	140,000	167,724	.....	7,800	2,220	211	1,437	24,747	.....	0.08	41.30	38.31		
		Eastern main	1,496	470	389	61,694	64,417	.....	2,578	300	287	13	31,792	134,103	.....	41.30	1.24	38.31	
		Fatna	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	43.97	4.35	46.68
		Gya.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
SOUTH-EASTERN R.R.	Shahabad	Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Decrease in annual leases in the Arrah and Buxar divisions due to transfers to 5 years leases.	
		Total of the corresponding period of last year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....
		Grand Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....
SOUTH-EASTERN R.R.	Shahabad	Grand Total of the corresponding period of last year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Decrease in annual leases in the Arrah and Buxar divisions due to transfers to 5 years leases.	
		Grand Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....
		Grand Total of the corresponding period of last year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....

CALCUTTA,
The 1st April 1890.G. A. G. SHAW, Esq.,
Under-Secy. to the Govt. of Bengal.

* Decrease in annual lease in the Arrah and Buxar divisions is due to transfer to 5 years' lease.

Whole month discharging 8 days discharging.

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 29th March 1890,
as compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 29TH MARCH 1890.			WEEK ENDING SATURDAY, THE 30TH MARCH 1889.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	695	1,36,982	2,100	340	96,070	1,573
Jute	45	26,650	485	17	16,125	255
Firewood	98	59,800	890	140	69,325	1,032
Other articles	1,006	2,96,050	4,362	854	2,33,415	3,374
Total	1,843	5,19,482	7,837	1,351	4,14,935	6,234

Nalhati State Railway.

*Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State
Railway during the month of February 1890, as compared with the same month of the previous year.*

STAPLES.	1889.		1890.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1889.	1890.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.		
Coal	645	569	645	569	645	569	76	7
Cotton, raw	7	51	7	51	7	51	9	7
Cotton piece-goods—								
1.—European	59	1	50	1	60	51	9	9
Grains—								
2.—Rice	9	538	88	549	547	637	90	65
4.—Others	64	17	15	5	81	18	65	65
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	5	6	5	6	5	6	1	1
b.—Undressed	1	1	1	1	1	1	1	1
Jute—								
2.—Gunny bags and cloths	10	2	14	5	12	19	7	7
Lac—								
1.—Stick	1	1	3	3	2	3	2	2
Leather, manufactured	5	3	5	3	5	3	2	2
Liquors—								
1.—Beer	2	4	2	4	2	4	2	2
Metals—								
2.—Iron	5	1	12	1	6	13	7	1
4.—Others	8	2	7	2	10	9	1	1
Oils—								
1.—Castor	2	3	2	3	2	3	2	2
2.—Kerosine	4	4	4	4	4	4	4	4
3.—Others	4	4	4	4	4	4	4	4
Oilseeds—								
1.—Linseed	76	68	76	68	76	68	8	8
2.—Mustard and rape	3	2	3	2	3	2	1	1
4.—Others	3	3	3	3	3	3	3	3
Provisions—								
1.—Ghee	3	2	3	2	3	2	1	1
2.—Dried fruits and nuts	2	3	2	3	2	3	1	1
3.—Others	38	6	38	6	38	6	32	32
Paper and pasteboard	3	3	3	3	3	3	3	3
Railway plant and rolling-stock	154	114	154	114	154	114	40	40
Salt	24	49	24	49	24	49	25	25
Silk, raw—								
2.—Indian	33	25	34	26	33	110	52	52
Silk piece-goods—								
2.—Indian	5	5	5	5	5	5	5	5
Spices—								
2.—Others	1	17	5	5	1	22	19	19
Stone and lime	3	3	3	3	3	3	3	3
Sugar—								
1.—Drained	28	21	28	21	28	21	7	7
2.—Undrained	28	107	28	107	28	107	79	79
Tobacco	3	14	3	14	3	14	11	11
Timber	117	16	117	16	117	16	101	101
All other articles of merchandise	117	11	233	31	128	264	136	136
Total	1,336	614	1,461	683	1,990	2,143	457	504

INCREASE.							Tons.
Grains—							
(2) Rice	...	...	...	...	...	...	90
This increase is due to greater demand at Calcutta.							
Salt	...	...	...	...	...	...	25
Owing to sudden demand, carried by rail.							
Silk, raw—							
(2) Indian	...	...	...	...	...	...	52
Due to greater import of tussur cocoons from Raniganj district.							
Stone and lime	...	...	...	...	...	...	19
This is due to greater import of rubble stones this year for protective work.							
Sugar—							
(2) Undrained	...	...	...	...	...	...	79
Due to greater demand at Azimgaon.							
Tobacco	...	...	...	...	...	...	19
Due to greater import.							
Timber	...	...	...	...	...	...	16
Due to there being no traffic last year under this head and imported this year for building purposes.							
DECREASE.							
Coal							76
Previous stock not being exhausted.							
Grains—							
(4) Others	...	...	...	...	...	...	63
Due to less export owing to the failure of calae crops.							
Provisions—							
(3) Others	...	...	...	...	...	...	32
Due to import of potatoes by boat.							
Railway plant and rolling-stock	...	...	...	...	...	...	10
Owing to less materials carried during the month.							

R. G. MOOKERJEE,
Manager, Nulhati State Railway.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 22nd March 1890, on 1,525½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for this week ...	252,579	2,94,974 4 0	29,06,323 0	7,12,209 9 0	20,608 9 0	10,27,192 6 0	64,796	109,603	174,399
Or per mile of railway ...	...	193 5 10	...	496 13 11	13 1 10	673 5 7	...	...	...
For previous 11 weeks of half-year ...	2,816,808	32,65,578 0 0	2,77,98,633 0	64,56,100 5 0	2,15,829 11 0	98,77,499 0 0	708,029½	1,003,362½	1,711,392½
Total for 12 weeks ...	3,069,387	35,60,552 4 0	3,06,45,181 0	71,68,309 14 0	2,35,829 4 0	1,09,04,691 6 0	772,825½	1,112,965½	1,885,791½
COMPARISON.									
Total for corresponding week of previous year ...	255,423½	2,87,235 15 3	26,68,445 30	5,58,505 15 4	16,939 13 8	8,61,709 12 5	68,025	91,677	159,102
Per mile of railway corresponding week of previous year ...	...	188 4 11	...	369 1 10	11 1 8	565 8 5	...	...	...
Total to corresponding date of previous year ...	3,190,935½	36,35,634 7 3	3,29,13,187 10	71,78,175 2 6	1,86,118 14 11	1,09,09,948 8 8	788,147	1,145,592	1,933,739

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 23RD MARCH 1889.			RECEIPTS FOR WEEK ENDING 22ND MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 23RD MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 22ND MARCH 1890.			Total increase in 1889.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.			
	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
1,525½	8,02,710	566	1,525½	10,27,192	673	1,525½	4,35,39,674	569	1,525½	4,34,21,174	558	...	1,18,500

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 22nd March 1890, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	14,516	7,138 9 0	68,402 10	3,826 7 0	36 9 0	11,601 9 0	1,725	669	2,394
Or per mile of railway ...	250½	124 12 9	1,197 0	66 14 4	0 10 3	192 5 4	.....	.....	.....
For previous 11 weeks of half-year ...	134,682	71,339 7 0	4,31,539 0	28,222 2 0	471 14 0	1,00,053 7 0	19,023½	7,169	26,192½
Total for 12 weeks ...	149,198	78,498 0 0	4,99,991 10	32,048 9 0	508 7 0	1,11,053 0 0	20,747½	7,838	28,585½
COMPARISON.									
Total for corresponding week of previous year ...	17,834	10,618 1 3	46,720 23	2,653 10 0	68 15 0	15,370 10 3	1,746	648	2,394
Per mile of railway corresponding week of previous year ...	312	186 2 6	817 0	46 6 3	1 3 3	233 12 0	.....	.....	.....
Total to corresponding date of previous year ...	179,423	92,866 0 6	3,89,140 30	22,225 1 0	549 10 0	1,18,089 11 6	22,697	6,630	29,327

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 23RD MARCH 1889.			RECEIPTS FOR WEEK ENDING 22ND MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 23RD MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 22ND MARCH 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
57½	13,571	234	57½	11,362	192	57½	4,86,840	167	57½	4,93,147	169	6,307	.....

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 22nd March 1890, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	22,009	6,279 3 6	18,465 20	611 2 6	12 13 0	6,903 2 0	800	108	908
Or per mile of railway ...	.....	282 3 4	.....	27 7 6	0 9 3	310 4 1	.....	.....	.....
For previous 11 weeks of half-year ...	224,326	56,849 12 6	1,69,264 20	5,461 3 0	87 3 0	61,838 2 0	9,609	1,017	10,626
Total for 12 weeks ...	246,335	62,638 15 0	1,78,739 0	6,012 5 0	109 0 0	68,741 4 0	10,409	1,125	11,534
COMPARISON.									
Total for corresponding week of previous year ...	23,503½	6,247 14 1	11,633 30	440 8 0	5 8 3	6,693 14 4	907	61	968
Per mile of railway corresponding week of previous year ...	.....	280 12 10	.....	19 12 9	0 4 6	300 15 7	.....	.....	.....
Total to corresponding date of previous year ...	268,116½	69,717 15 11	1,17,939 30	4,197 8 0	73 5 6	73,958 13 5	10,818	776	11,594

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 23RD MARCH 1889.			RECEIPTS FOR WEEK ENDING 22ND MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 23RD MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 22ND MARCH 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
22½	6,694	307	22½	6,993	310	22½	2,80,871	248	22½	2,73,414	240	.....	8,457

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 15th March 1890, on 747 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	161,539	83,960 0 0	5,20,380 0	81,530 0 0	17,300 0 0	1,82,650 0 0	23,452	22,714	50,166
Or per mile of railway...	216	112 0 0	697 0	109 0 0	*3 0 0	224 0 0	.....	.....	.....
For previous 10 weeks of half-year...	1,568,150	7,83,540 0 0	58,76,180 0	11,63,700 0 0	1,74,200 0 0	21,21,560 0 0	220,615	303,711	524,326
Total for 11 weeks...	1,729,689	8,67,500 0 0	63,96,560 0	12,45,090 0 0	1,91,620 0 0	23,04,210 0 0	244,507	330,425	574,792
COMPARISON.									
Total for corresponding week of previous year...	148,813	76,372 0 0	5,22,602 0	71,723 0 0	15,645 0 0	1,63,740 0 0	21,512	22,789	44,301
Or per mile of railway corresponding period of previous year...	220	113 0 0	776 0	107 0 0	*3 0 0	223 0 0	.....	.....	.....
Total to corresponding date of previous year...	1,630,741	8,75,556 0 0	54,33,666 0	9,78,312 0 0	1,92,443 0 0	20,46,312 0 0	236,140	274,219	510,359

* Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 10TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 15TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 16TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 15TH MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
673	Rs. 1,63,740	Rs. 243	747	Rs. 1,82,650	Rs. 245	673	Rs. 1,02,88,701	Rs. 306	728	Rs. *1,10,69,290	Rs. 304	Rs. 7,80,589	Rs. ...

* Audited up to week ending 31st December 1889.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 15th March 1890, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	27,320	9,950 0 0	69,700 0	5,000 0 0	80 0 0	13,120 0 0	3,735	1,937	5,672
Or per mile of railway...	223	79 0 0	486 0	25 0 0	1 0 0	105 0 0	.....	.....	.....
For previous 10 weeks of half-year...	278,100	1,01,900 0 0	3,98,800 0	28,770 0 0	770 0 0	1,31,530 0 0	35,757	18,765	54,522
Total for 11 weeks...	305,920	1,11,940 0 0	4,59,500 0	31,800 0 0	850 0 0	1,44,650 0 0	39,492	20,792	60,194
COMPARISON.									
Total for corresponding week of previous year...	29,742	10,676 0 0	70,782 0	4,085 0 0	47 0 0	14,508 0 0	3,735	1,937	5,672
Or per mile of railway corresponding period of previous year...	238	85 0 0	568 0	33 0 0	.....	118 0 0	.....	.....	.....
Total to corresponding date of previous year...	313,397	1,11,240 0 0	5,98,903 0	30,125 0 0	4,158 0 0	1,45,532 0 0	40,054	20,760	60,814

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 10TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 15TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 16TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 15TH MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
125	Rs. 14,803	Rs. 118	125	Rs. 13,120	Rs. 105	125	Rs. 6,91,687	Rs. 111	125	Rs. *7,04,101	Rs. 113	Rs. 12,414	Rs.

* Audited up to week ending 31st December 1889.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 15th March 1890, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	19,580	7,680 0 0	23,820 0	2,260 0 0	150 0 0	19,090 0 0	2,480	700	3,180
Or per mile of railway ...	228	89 0 0	277 0	26 0 0	2 0 0	117 0 0	.....	.....	.....
For previous 10 weeks of half-year ...	166,530	63,830 0 0	2,87,890 0	28,360 0 0	1,500 0 0	94,120 0 0	23,738	7,656	31,394
Total for 11 weeks ...	186,110	71,510 0 0	3,11,710 0	30,620 0 0	2,050 0 0	1,04,210 0 0	26,218	8,356	34,574
COMPARISON.									
Total for corresponding period of previous year ...	15,495	5,173 0 0	7,937 0	856 0 0	290 0 0	6,325 0 0	2,480	624	3,104
Per mile of railway corresponding period of previous year ...	179	60 0 0	92 0	10 0 0	3 0 0	73 0 0	.....	.....	.....
Total to corresponding date of previous year ...	171,176	53,433 0 0	1,30,669 0	12,540 0 0	1,964 0 0	67,937 0 0	26,639	7,168	33,747

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 16TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 16TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 16TH MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 15TH MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	6,325	73	86	10,090	117	86	2,91,411	68	86	*3,80,468	91	98,037	.....

* Audited up to week ending 31st December 1889.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 22nd March 1890, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,238	1,092 0 0	16,990 0	1,016 0 0	24 0 0	2,122 0 0	560	254	763
Or per mile of railway ...	119	40 0 0	624 0	37 0 0	1 0 0	78 0 0	.....	.....	.....
For previous 10 weeks of half-year ...	35,919	12,826 0 0	1,48,643 0	9,282 0 0	453 0 0	22,691 0 0	5,391	6,792	11,143
Total for 11 weeks ...	39,157	13,918 0 0	1,65,642 0	10,308 0 0	480 0 0	24,816 0 0	5,890	6,914	11,904
COMPARISON.									
Total for corresponding week of previous year ...	3,157	1,250 0 0	7,637 0	423 0 0	816 0 0	2,588 0 0	599	527	1,036
Per mile of railway corresponding week of previous year ...	116	46 0 0	289 0	19 0 0	30 0 0	93 0 0	.....	.....	.....
Total to corresponding date of previous year ...	41,451	15,544 0 0	1,60,860 0	9,282 0 0	907 0 0	25,923 0 0	5,962	6,433	12,395

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 23RD MARCH 1889.			RECEIPTS FOR WEEK ENDING 23RD MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 23RD MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 22ND MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	2,588	95	27½	2,122	78	27½	1,01,184	76	27½	1,00,826	76	.....	335

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 22nd March 1890, on 273 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	44,213	17,214 0 0	3,17,520 0	32,633 0 0	3,233 0 0	53,100 0 0	5,408	6,538	14,336
Or per mile of railway ...	162	63 0 0	1,163 0	119 0 0	8 0 0	185 0 0*	...	...	...
For previous 10 weeks of half-year ...	517,172	2,31,278 0 0	28,31,218 0	3,23,805 0 0	34,290 0 0	5,79,433 0 0	59,794	108,501	1,63,395
Total for 11 weeks ...	561,385	2,38,492 0 0	31,48,738 0	3,56,408 0 0	37,543 0 0	6,32,533 0 0	65,992	112,339	177,631
COMPARISON.									
Total for corresponding week of previous year ...	38,431	14,200 0 0	97,326 0	8,970 0 0	4,244 0 0a	27,480 0 0	6,291	3,460	9,700
Per mile of railway corresponding week of previous year ...	141	53 0 0	357 0	53 0 0	8 0 0	93 0 0*	...	...	...
Total to corresponding date of previous year ...	481,610	1,85,864 0 0	15,79,594 0	1,50,230 0 0	36,678 0 0	5,72,172 0 0	66,700	65,361	132,010

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."
 a Includes Rs. 1,946 as "Sundry" receipts.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 23RD MARCH 1890.			RECEIPTS FOR WEEK ENDING 22ND MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 23RD MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 22ND MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		
273	27,480	101	273	53,100	195	265.82	16,21,675	123	273	21,22,875	159	5,01,200	...

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 8th March 1890	...	...	...	...	...	7,358
Corresponding period of 1889	...	...	...	...	...	10,997
Decrease	...	...	...	...	...	3,639
Receipts per mile for week ending 8th March 1890	...	...	...	...	...	Rs. A. P. 144 4 5
Corresponding period of 1889	...	...	...	...	...	215 10 3
Decrease	...	...	...	...	...	71 5 10
Receipts from 1st January to 8th March 1890	...	...	...	...	...	78,642
Corresponding period of 1889	...	...	...	...	...	78,020
Increase	...	...	...	...	...	622

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 15th March 1890	...	...	...	...	...	9,553
Corresponding period of 1-83	...	...	...	...	...	9,138
Increase	...	...	...	...	...	400
Receipts per mile for week ending 15th March 1890	...	...	...	...	...	Rs. A. P. 187 0 4
Corresponding period of 1889	...	...	...	...	...	179 3 1
Increase	...	...	...	...	...	7 13 3
Receipts from 1st January to 15th March 1890	...	...	...	...	...	88,180
Corresponding period of 1889	...	...	...	...	...	87,159
Increase	...	...	...	...	...	1,021



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, APRIL 9, 1890.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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DONATION OF BABU SRI NATH ROY IN AID OF THE DACCA COLLEGE.

GENERAL DEPARTMENT.

Calcutta, the 7th April 1890.

RESOLUTION.

READ—

A letter from the Director of Public Instruction, No. 1787, dated the 21st March 1890, and its enclosure.

THE Lieutenant-Governor is pleased to accept the offer of Babu Sri Nath Roy, zemindar of Bhagyakul in the district of Dacca, to pay annually the sum of Rs. 120 in aid of poor and deserving students of the Dacca College, and tenders his thanks to the donor for his liberality. The Principal of the Dacca College will be the administrator of the fund.

ORDER.—Ordered, that a copy of this Resolution be forwarded to the Director of Public Instruction for information and for communication to the donor.

Ordered also, that a copy of the Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 5th April 1890.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.																
BENGAL.																			
Western Districts.																			
BURDWAN DIVN.	1 Burdwan April 5, '90	Nil	Weather—cool in the morning, but warm during day. Ginger and <i>til</i> are being sown, but rain is sadly wanted. Sugarcane pressing is over. Prices of common rice :— <table><tr><td>Burdwan</td><td>...</td><td>...</td><td>Srs. 18</td></tr><tr><td>Culna</td><td>...</td><td>...</td><td>15</td></tr><tr><td>Cutwa</td><td>...</td><td>...</td><td>16</td></tr><tr><td>Ranigunge</td><td>...</td><td>...</td><td>18½</td></tr></table> } per rupee.	Burdwan	Srs. 18	Culna	15	Cutwa	16	Ranigunge	18½
	Burdwan	Srs. 18															
	Culna	15															
	Cutwa	16															
	Ranigunge	18½															
	2 Bankoora „ 6, '90	Nil	Weather—seasonable. Rain wanted everywhere for ploughing of fields for next rice and sugarcane. Standing crops are doing well. Common rice 21 seers per rupee at Sudder and 19½ seers at Bissenpore.																
	3 Birbhum „ 5, '90	Nil	Weather—hot and dry. No crops to report on. Prices of common rice vary from 16 to 20 seers per rupee.																
	4 Midnapur „ 5, '90	Nil	Weather—seasonable. In the Ghattal subdivision rain is wanted for <i>boro</i> rice and <i>til</i> . Indigo doing well. Prices of common rice :— <table><tr><td>Sudder</td><td>...</td><td>...</td><td>Srs. 19</td></tr><tr><td>Contai</td><td>...</td><td>...</td><td>20</td></tr><tr><td>Tamluk</td><td>...</td><td>...</td><td>16</td></tr><tr><td>Ghatal</td><td>...</td><td>...</td><td>18</td></tr></table> } per rupee.	Sudder	Srs. 19	Contai	20	Tamluk	16	Ghatal	18
	Sudder	Srs. 19															
	Contai	20															
Tamluk	16																
Ghatal	18																
5 Hooghly „ 5, '90	Nil	Weather growing warm. No crops at present. Prices of common rice :— <table><tr><td>Sudder</td><td>...</td><td>...</td><td>Srs. 12½</td></tr><tr><td>Scrapore</td><td>...</td><td>...</td><td>16</td></tr><tr><td>Jehanabad</td><td>...</td><td>...</td><td>17</td></tr></table> } per rupee.	Sudder	Srs. 12½	Scrapore	16	Jehanabad	17					
Sudder	Srs. 12½																
Scrapore	16																
Jehanabad	17																
Howrah „ 5, '90	Nil	Weather—very hot. <i>Boro</i> paddy suffering from want of rain.																	
Central Districts.																			
PRESIDENCY DIVN.	6 24 Parghs. April 8, '90	Nil	Weather—very hot and dry. <i>Boro</i> paddy suffering from want of rain. Rain wanted for ploughing. Price of common rice 15 seers per rupee.																
	7 Nudda „ 5, '90	Nil	Weather—hot. Harvesting of gram, wheat, and berley still going on. Land is being prepared for the sowing of the early rice crop. Rain is needed.																
	8 Khoolna „ 5, '90	Nil	Weather—hot. State of <i>boro</i> paddy good. Harvesting of <i>rubbi</i> crops nearly completed; outturn expected to be fair. Rain much wanted for ploughing.																
	9 Jessore „ 5, '90	Nil	Weather—very hot. Rain badly wanted for cultivation. Prospects of all standing crops gloomy for want of rain.																
	10 Moorshedabad „ 5, '90	Nil	Weather—hot. <i>Rubbi</i> harvesting almost completed.																
	11 Dinagepur „ 5, '90	Nil	Westerly winds and hot weather. Jute and <i>bhadoi</i> being sown and sugarcane being transplanted. Rain badly wanted. Prices stationary.																
	12 Rajshahye „ 7, '90	Nil	Weather—hot and latterly cloudy in the evening. Harvesting of <i>rubbi</i> crops over. Ploughing for <i>aus</i> retarded for want of rain.																
	13 Rungpur „ 5, '90	Nil	Weather—very sultry with light wind. Rain badly wanted everywhere. Prices rising in anticipation of a failure of the early rice crop.																
	14 Bogra „ 5, '90	Nil	Weather—seasonable. Pulses harvested with an average outturn of 16 annas. Sugarcane is being pressed. <i>Aus</i> rice and jute are being sown. Common rice selling at 18 seers per rupee.																
	15 Pabna „ 5, '90	Nil	Weather—hot. <i>Aus</i> , <i>amra</i> , and jute being sown in some parts of the district. Outturn of mustard and tobacco nearly average. Prices somewhat high.																
16 Darjeeling „ 5, '90	Nil	Weather—hot and threatening. State and prospects of crops favourable, but rain much needed.																	
17 Jalpigore „ 5, '90	Nil	Days hot, but nights cool. Harvesting of tobacco in progress. Preparation of land for the sowing of the <i>bhadoi</i> crops is being made in Fallacutta. Common rice selling at 18 seers per rupee at head-quarters.																	

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.			
Eastern Districts.			
Dacca Divn.	18 Dacca April 5, '90	Nil	Weather—hot and fine. Cutting of sugarcane and harvesting of <i>khesari</i> , <i>masuri</i> , and <i>keora</i> nearly completed. <i>Boro</i> paddy is being harvested. Cultivation going on for early rice and jute. <i>Aus</i> and <i>til</i> being sown. Price of common rice 13 to 15½ seers per rupee.
	19 Furreedpur „ 5, '90	Nil	Weather—hot and occasionally cloudy. Harvesting of <i>rubbi</i> crops nearly at an end with an outturn of 8 annas on the average. Sowing of jute and paddy going on. Sugarcane plantation commenced. Rain much wanted. Prices of common rice:— Srs. Madaripur ... 15½ Sudder ... 14½ per rupee.
	20 Backergunge „ 5, '90	Nil	Weather—hot and cloudy, but no rain. Prospects of standing crops fair, but at <i>Bhola til</i> and other crops have been injured by insects. Rice sells at 13 seers per rupee.
	21 Mymensingh „ 5, '90	Nil	Weather—hot and occasionally cloudy. Sowing of jute and <i>aus</i> on low lands has begun, but more rain is needed. <i>Boro</i> rice thriving well. Price of common rice 13 seers 14 chittacks per rupee.
Chittagong Divn.	22 Chittagong „ 5, '90	Nil	Weather—seasonable. State of chilly crop fair. Prices stationary.
	23 Nonkholly „ 5, '90	Nil	Days warm, but nights rather cool. Preparation of soil for <i>aus</i> going on. Common rice 14 to 19 seers per rupee at head-quarters.
	24 Tipperah „ 5, '90	Nil	Weather—hot with high winds. <i>Boro</i> rice thriving. <i>Aus</i> and jute being planted. Rain wanted. Chillies being gathered.
	25 Chittagong Hill Tracts „ 4, '90	Nil	Weather—very hot throughout the week. <i>Jam</i> cutting still going on. Gathering of tobacco and chillies continues. Common rice is being sold at 13 seers 14 chittacks per rupee.
BEHAR.	Hill Tipperah „ 5, '90	Nil	Weather—hot. <i>Jams</i> continue to be burnt. <i>Boro</i> paddy doing well in the low lands.
	26 Patna „ 5, '90	Nil	Weather—hot and dry. Harvesting of <i>rubbi</i> almost finished. Threshing of corn in progress. <i>Cheena</i> is being sown. Prices of food-grains almost stationary. Opium weighment has commenced.
	27 Gya „ 5, '90	Nil	Weather—hot. Threshing of <i>rubbi</i> crops going on. Weighment of opium begun. Prices of food-grains stationary.
	28 Shahabad „ 5, '90	Nil	Weather—hot with strong west winds. <i>Rubbi</i> almost harvested. Threshing still going on. Prices stationary.
PATNA DIVN.	29 Durbhanga „ 5, '90	Nil	Weather—clear with east wind. Harvesting of <i>rubbi</i> crops completed. Paddy and <i>mung</i> already sown are germinating well, but rain is very much wanted. Indigo is doing well. Prices almost stationary.
	30 Mozufferpur „ 5, '90	Nil	Weather—hot; westerly winds; cool at night. <i>Rubbi</i> crops are being threshed. <i>Cheena</i> is being sown.
	31 Saran „ 5, '90	Nil	Weather—dry and hot. West winds not so strong. <i>Rubbi</i> harvest completed. <i>Cheena</i> is being irrigated. Opium weighments in full swing.
	32 Chumpran „ 5, '90	Nil	Days hot, but mornings cool. West wind prevails. Harvesting of <i>rubbi</i> crops approaching completion. Paddy and <i>cheena</i> are being sown. Opium weighment commences next week. New wheat, barley, and gram selling in the market; prices falling.
BHAUGULPORE DIVN.	33 Monghyr „ 5, '90	Nil	Weather—hot and dry; strong westerly winds in day time. Harvesting of <i>rubbi</i> crops finished. Threshing going on with fair outturn. Prices of common rice slightly risen.
	34 Bhagulpur „ 5, '90	Nil	Days getting warm, but nights still cool. Harvesting of the <i>rubbi</i> crops nearly over. Ploughing for the next crop not yet commenced for want of rain.
	35 Parneah „ 5, '90	Nil	Slight clouds; mornings and nights still cool; winds have partially ceased. <i>Rubbi</i> crops being harvested. Outturn of grains disappointing. Rain wanted for early <i>bhadai</i> crop and for pasturage.
	36 Malda „ 5, '90	Nil	Weather—hot and fine. Violent west winds prevail generally. Harvesting of <i>rubbi</i> crops still going on. Outturn of wheat estimated to be 12 annas, but of all other crops about the average. Rain much needed for <i>boro</i> paddy and for preparation of lands for <i>bhadai</i> and <i>amun</i> rice. Prices of rice rising.
	37 Sathal Pergah „ 5, '90	Nil	Weather—hot. <i>Rubbi</i> harvest completed. Outturn of wheat in Pakour about 10 annas. <i>Mohua</i> has turned out to be a poor crop. Rain wanted for sugarcane. Prices stationary.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.			
ORISSA DIVN.	38 Cuttack	...	Report not received.
	39 Pooree April 4, '90	Nil	Weather—seasonable. Lands are being ploughed for the ensuing <i>sarad</i> crop. <i>Dalua</i> and <i>mung</i> crops are being harvested. Prices of common rice vary from 21 to 24 seers per rupee in the Sudder subdivision and from 19 seers 11 chittacks to 26 seers in the Khoorda subdivision.
	40 Balasore „ 5, '90	Nil	Weather—getting warmer. Cultivation stopped in most parts for want of rain.
CHOTA NAGPORE.			
<i>South-West Frontier Agency.</i>			
CHOTA NAGPORE DIVN.	41 Hazaribagh April 5, '90	Nil	Weather—seasonable. Days hot. <i>Mohua</i> yielding well. Mango promising. No other crops.
	42 Lohardugga „ 5, '90	Nil	Weather—seasonable. Harvesting of <i>rubbi</i> continues. Prices steady.
	43 Singbhoom „ 5, '90	Nil	Weather—hot and very hazy. <i>Mohua</i> good everywhere with the exception of Baharagura and Bhelaipahari. Mango promises to be a full crop. Winter crops reported to have given a good outturn.
	44 Manbhoom „ 5, '90	Nil	Weather—hot. Wheat, barley, and gram ripening; outturn expected to be 12 annas. <i>Mohua</i> dropping, and the outturn is 14 annas. Mango crop promises well.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 8th April, 1890.

P. NOLAN,
Secy. to the Govt. of Bengal.

**PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE
HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL
DURING THE FORTNIGHT ENDING THE
31st MARCH 1890.**

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (Sorghum Vulgare.)					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
BENGAL.																			
Western Districts.																			
1	Burdwan	14 0	14 0	15 8	...	...	26 0	13 8	13 8	14 4	16 14	16 14	16 14	...	...	...
2	Bankoora	15 0	15 0	15 0	17 0	17 0	20 0	17 8	17 8	17 4	20 0	20 0	19 8	...	...	...
3	Beerbhoom*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Midnapore	13 0	13 0	10 0	...	...	...	15 0	15 8	14 0	18 12	20 0	16 0	...	...	...
5	Hooghly	13 0	13 0	13 0	...	...	...	8 0	8 0	10 0	14 0	14 0	13 0	...	...	...
	Howrah	...	...	...	...	...	...	11 8	11 8	12 0	16 0	14 8	15 0	...	...	...
Central Districts.																			
	Calcutta	13 6	13 6	13 3	16 3	18 2	19 9	9 0	9 1	9 14	13 15	13 14	14 11	20 4	21 6	17 8			
6	24-Pergunnahs	13 12	14 8	14 0	16 0	20 0	20 0	8 0	8 0	8 0	16 0	16 0	15 8	...	...	...
7	Nuddea	15 0	15 0	16 0	20 0	17 12	22 13	12 8	12 13	13 5 1/2	12 10	14 9	15 8	...	...	...
8	Khoolna	...	...	...	...	...	...	12 8	12 8	13 0	14 0	14 0	15 0	...	...	...
9	Jessore	13 0	12 12	13 0	...	...	...	9 0	9 0	13 0	15 0	15 4	16 0	...	...	...
10	Moorshedabad*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	Dinapore	19 4	19 4	12 12	...	20 10	10 0	13 3	15 0	15 8	18 0	19 0	19 3	...	...	...
12	Rajshahye	16 8	16 8	16 8	26 4	26 4	37 8	13 8	13 8	13 8	15 12	15 12	15 0	...	...	...
13	Rungpore	13 5	14 8	14 3	...	...	...	9 6	9 6	10 8	14 8	14 8	16 0	...	...	...
14	Bogra	12 0	12 0	13 8	...	...	...	12 0	12 0	15 0	16 8	18 0	18 12	...	...	...
15	Pubna	17 4	13 8	19 8	...	...	...	6 12	6 12	7 8	15 0	14 4	17 4	...	...	...
16	Darjeeling	19 0	10 0	6 0	9 0	9 0	10 0	6 0	5 0	6 0	12 0	12 0	13 0	...	...	...
17	Julpigoree	13 0	13 0	10 0	16 0	16 0	16 0	8 0	8 0	8 0	16 0	10 0	17 8	...	...	...
Eastern Districts.																			
18	Dacca	13 0	13 0	15 8	16 0	16 0	26 0	14 0	14 0	14 4	15 0	15 0	16 0	...	...	...
19	Furzedpore	14 0	13 0	20 0	20 0	14 0	20 0	10 0	10 0	10 0	15 0	15 0	15 0	...	...	...
20	Backergunge	...	...	...	...	...	...	12 8	12 4	12 0	14 0	13 12	15 1	...	...	...
21	Mymensingh	11 4	11 8	10 8	...	...	...	10 0	10 0	13 0	13 0	13 0	17 8	...	...	...

* Return not received.

A In subdivisions retail prices of salt per rupee are :—Gaias 10 seers, Cutwa 10 seers 6 chittacks, and Ranagunge 10 1/2 seers.

B In subdivisions retail prices of salt per rupee are :—Contai 9 seers, Ghattal 10 seers, and Tumlook 8 seers.

C In subdivisions retail prices of salt per rupee are :—Serampore 10 seers and Jehannabad 10 seers.

D In subdivisions retail prices of salt per rupee are :—Barasat 9 seers, Basirhat 9 seers, Diamond Harbour (at Magrahat) 10 seers, Dum-Dum 10 seers, and Barrackpore 9 seers 2 chittacks.

E In subdivisions retail prices of salt per rupee are :—Koochbea 10 seers, Moherpore 10 1/2 seers, Chooadanga 9 seers, and Ranaghat 9 seers 2 chittacks.

F In subdivisions retail prices of salt per rupee are :—Jhenida 9 seers, Magura 9 1/2 seers, Narail 9 1/2 seers, and Bongong 10 seers.

Head-quarter Station Bazars of the Districts of Bengal on the 31st March 1890.

															WHOLESALE PRICES PER MAUND OF 40 SEERS.			DISTRICTS.
INDIAN-CORN OR MAIZE (Zea Mays.)			ARHAR OR THUR, CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.						
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.				
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.				
BENGAL.																		
Western Districts.																		
...	20 0	20 0	19 0	100 0	100 0	107 0	A 10 0	10 0	10 2	3 11 0	3 11 0	3 11 0	Burdwan.			
35 0	35 0	21 0	20 8	20 0	18 0	80 0	80 0	28 0	10 0	10 0	10 0	3 15 0	3 15 0	3 14 0	Bankoora.			
...	Beerbhoom.			
...	14 0	14 0	14 0	60 0	60 0	60 0	B 10 3	10 3	10 4	3 14 6	3 14 6	3 14 6	Midnapore			
...	11 0	11 0	13 0	120 0	120 0	120 0	C 9 0	9 0	9 0	3 11 6	3 11 6	3 11 6	Hooghly.			
...	13 4	13 4	14 0	100 0	100 0	100 0	10 0	10 0	10 8	3 12 0	3 12 0	3 10 0	Howrah.			
Central Districts.																		
18 4	18 5	...	16 14	17 7	17 10	100 0	100 0	98 0	9 10 4	10 2	10 5	3 10 2	3 9 8	3 9 6	Calcutta.			
...	18 0	18 0	19 0	100 0	100 0	100 0	D 10 4	10 4	10 4	3 9 0	3 9 0	3 10 0	24-Pergunnahs.			
...	17 12	17 12	20 0	...	...	...	E 9 13	9 13	9 2	3 13 0	3 13 0	3 14 0	Nuddea.		
...	16 0	160 0	16 0	9 0	9 0	9 2	4 4 0	4 4 0	4 0 0	Khoolna.			
...	16 0	13 0	22 0	160 0	16 0	160 0	F 9 2	9 0	9 2	4 0 0	4 0 0	4 0 0	Jessore.			
...	Moorshedabad.			
...	15 8	19 6	12 0	160 0	16 0	16 0	9 8	9 8	9 8	4 0 0	4 0 0	3 15 0	Dinapore.			
...	20 12	20 4	22 12	240 0	24 0	24 0	G 9 0	9 0	9 9	4 2 8	4 2 8	4 0 0	Rajahabye.			
...	10 5	9 7	13 0	100 0	100 0	120 0	H 8 14	8 14	9 6	4 8 0	4 8 0	4 4 0	Rungpore.			
...	90 0	90 0	96 0	9 0	9 0	8 13	4 4 0	4 4 0	4 4 0	Bogra.			
...	10 0	20 0	21 0	2 0	2 0	2 0	I 9 7	10 0	9 2	3 15 0	4 0 0	4 0 0	Pubna.			
14 0	16 0	20 0	8 0	8 8	...	12 0	120 0	120 0	J 7 0	8 0	7 0	5 0 0	5 0 0	5 0 0	Darjeeling.			
...	13 0	13 0	9 0	1 8	128 0	128 0	J1 9 0	9 0	9 0	4 2 0	4 2 0	4 2 0	Julpigoree.			
Eastern Districts.																		
...	14 0	14 0	16 0	160 0	160 0	120 0	K 9 8	9 8	10 0	4 2 0	4 2 0	3 14 0	Dacca.			
16 0	12 0	...	11 0	11 0	13 0	120 0	120 0	120 0	8 8	9 0	9 0	4 8 0	4 2 0	4 0 0	Furreedpore.			
...	Khesari husked.			120 0	120 0	120 0	L 10 2	10 2	10 0	4 0 0	3 15 0	4 0 0	Backergunge.			
...	10 0	14 0	...	...	...	...	M 9 4	9 0	9 8	4 3 0	4 5 0	4 0 0	Mymensingh.		

G In subdivisions retail prices of salt per rupee are:—Nattore 9 seers and Nowgong 9 seers 9 chittacks.

H In subdivisions retail prices of salt per rupee are:—Nulphamari 9 seers, Gaibandha 8 seers, and Kurigram 9 seers.

I At Serajunge retail price of salt 9 seers per rupee.

J At Siliguri wholesale price of salt Rs. 4-4 per maund.

J1 In the Alipore subdivision (at Fallacutt) retail price of salt 8 seers per rupee.

K In subdivisions retail prices of salt per rupee are:—Masickgungo 8 seers, Moonsheogungo 8½ seers, and Naraingungo 10 seers.

L In subdivisions retail prices of salt per rupee are:—Patuakhali 9 seers, Perozepore 9 seers, and Bhola 8 seers.

M In subdivisions retail prices of salt per rupee are:—Kishoregungo 3 seers, Tangail 10 seers, Jamalpore 8 seers, Sherpore 8 seers, and Netrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU. (Sorghum Vulgare.)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
Eastern Districts—concluded.																
22	Chittagong ...	11 0	11 0	11 0	...	...	...	12 0	12 0	12 0	16 8	16 8	16 14	...	...	...
23	Noakholly ...	...	...	...	...	...	...	14 0	15 0	13 0	15 0	16 0	15 0	...	...	...
24	Tipperah* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	Chittagong Hill Tracts. Hill Tipperah...	6 0	6 0	6 0	...	...	...	8 0	9 0	8 0	15 0	15 0	16 0	...	...	...
BEHAR.																
26	Patna ...	{ 16 12 14 4	{ 16 8 13 8	{ 17 8 17 8	24 0	23 8	24 0	10 8	10 8	11 0	18 2	19 8	15 0	21 0	22 0	25 0
27	Gya ...	16 0	16 0	16 8	24 0	20 4	23 0	11 8	11 0	9 4	17 0	17 0	15 0	...	...	...
28	Shahabad* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	Durbhunga ...	12 0	15 6	18 4	19 12	22 0	...	11 0	11 0	10 4	18 0	18 8	15 0	20 14	...	...
30	Mozufferpore ...	14 0	13 0	15 0	30 0	...	22 0	11 0	9 0	10 0	17 0	16 0	13 0	...	...	...
31	Sarun ...	15 0	15 8	16 0	22 0	20 20	24 0	8 8	9 4	8 8	16 2	16 14	14 0	...	...	...
32	Chumparun ...	(New) 16 0	13 8	13 0	28 0	30 0	21 0	7 0	8 0	7 0	16 8	17 0	13 0	...	...	...
33	Monghyr ...	17 11	17 13	17 9	23 1	19 11	20 4	17 13	15 12	11 10	18 14	16 12	13 12	...	...	...
34	Bhagulpore ...	17 11	16 6	16 19	22 11	20 8	20 3	{ 11 6 13 14	{ 11 6 15 2	12 10	{ 15 2 17 11	{ 13 14 17 11	14 8	...	...	...
35	Purneah ...	14 0	14 6	13 0	...	...	...	18 0	18 0	13 8	19 0	19 0	15 0	...	...	...
36	Maldah ...	20 0	19 0	16 0	...	...	...	10 0	11 0	10 0	17 0	17 0	17 0	...	...	...
37	Sonthal Pergna.	13 0	13 0	11 8	...	...	...	13 0	13 0	14 0	17 0	16 0	16 8	...	...	...
ORISSA.																
38	Cuttack ...	13 2	13 2	13 2	...	...	...	10 8	10 8	10 8	18 6	19 11	17 1	...	...	...
39	Pooree ...	10 8	11 13	11 13	...	...	...	15 12	15 12	11 13	22 10	22 10	15 12	...	...	...
40	Balasore ...	15 0	15 0	14 0	13 0	13 0	13 0	13 0	13 0	12 0	21 0	21 0	13 0	...	...	...
CHOTA NAGPORE.																
South-West Frontier Agency.																
41	Hazaribagh ...	{ 13 0 15 8	{ 13 0 16 0	17 0	13 0	13 0	...	10 0	10 0	8 0	16 8	17 0	15 0	...	...	...
42	Lohardugga ...	{ 15 0 9 0	{ 14 0 9 6	{ 14 0 ...	24 0	24 0	16 0	14 0	14 0	13 0	{ 16 0 19 0	{ 15 0 19 0	15 0	...	...	...
43	Singbhoom ...	10 0	10 0	10 0	10 0	10 0	14 0	16 0	16 0	16 0	20 0	20 0	20 0	...	...	...
44	Manbhoom ...	14 0	14 8	14 0	...	...	30 0	12 0	13 0	15 0	22 0	20 0	22 0	...	...	...

* Return not received.

† Common rice at Jajpore 22 seers 5 chittacks per rupee, and at Kendrapara 23 seers 10 chittacks per rupee.

N At Cox's Bazar retail price of salt 8 seers per rupee.

O At Fenny Hat retail price of salt 8 seers per rupee.

P In subdivisions retail prices of salt per rupee are :—Samastipur 11 seers and Madhubani 10 seers.

Q In subdivisions retail prices of salt per rupee are :—Hajipore 9½ seers and Sitamarhi 10 seers.

CALCUTTA,
The 8th April, 1890.

KANGNI OR KARUK, ITALIAN MILLET. (<i>Setaria italica</i> .)			GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (<i>Cicer ariselinum</i> .)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.

S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	19 0	19 0	23 0
...	18 0	17 8	14 8
...
...	18 0	16 0	14 0
...	14 8
...	16 0	16 0	16 0
...	17 8	17 8	19 0

11 0	11 0	20 4	16 12	16 12	17 12
6 0	5 12	12 0	20 0	20 0	21 0
...	...	...	21 5	21 5	24 10
...	...	...	12 0	12 0	10 8
...	...	...	16 0	16 0	16 0
...
...	...	...	15 8	14 12	12 12
...	...	...	21 0	21 12	24 0
...	...	...	13 5	16 0	10 0
...	...	...	12 12	12 0	16 14
...	...	...	19 8	17 4	13 8
...	...	...	11 0	10 0	10 0
...	...	...	13 0	13 0	11 8

...	...	...	13 0	13 0	13 0
...	...	...	16 0	12 0	16 0
...	...	...	13 4	16 0	15 1
...	...	...	13 8	14 0	12 4

794b

SEERS OF 80 TOLAHS.

BAJRA OR CUMBU. (<i>Pennisetum typho- ideum</i> .)			MARUA OR RAGI. (<i>Eleusine Corocana</i> .)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.

S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...
...
...
...
...

15 0	...	...	30 0	...	...
...
...
...	...	...	26 7	26 7	20 9
...
...	...	...	22 0	22 0	20 0
...	...	...	28 0	28 0	20 0
...	...	...	...	...	30 7
...
...
...
...

...
...
...

...	...	...	30 0	30 0	21 0
...	...	...	40 0	40 0	25 0
...
...

796a

OF 40 SEERS.

MARUA OR RAGI. (<i>Eleusine Corocana</i> .)			KANGNI OR ITALIAN (<i>Setaria</i>)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
...	3 0 03	...	...
...
...
...
...
15 0	12 01	...	...
...
...
...

798b

Station Bazars of the Districts of Bengal on the 31st March 1890—(concluded).

												WHOLESALE PRICES PER MAUND OF 40 SEERS.						DISTRICTS.
INDIAN-CORN OR MAIZE. (Zea Mays.)			ARHAR OR THUR. CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.						
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.				
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.				
Eastern Districts—concluded.																		
...	...	...	...	...	...	110 0	110 0	108 0	N 9 0	9 0	9 0	4 0 0	4 4 0	4 0 0	Chittagong.
...	...	...	8 0	8 0	8 0	...	...	...	O 9 0	9 0	9 0	4 0 0	4 0 0	4 0 0	Noakholly.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Tipperah.
...	...	...	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.
...	...	...	8 0	8 0	8 0	...	...	...	8 0	8 0	8 0	4 6 0	4 6 0	4 6 0	Hill Tipperah.
BEHAR.																		
24 0	24 0	22 8	22 0	...	25 0	130 0	130 0	130 0	10 0	10 0	10 0	3 14 0	3 13 9	3 12 3	Patna.			
...	...	...	21 0	21 0	21 0	160 0	160 0	200 0	9 2	9 2	9 2	4 2 0	4 2 0	4 2 0	Gya.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Shahabad.
24 0	24 3	21 6	18 0	20 14	20 9	160 0	160 0	160 0	P 10 0	11 0	11 6	3 14 0	3 8 0	3 14 5	Durbhunga.			
20 0	22 8	20 0	18 0	18 0	22 0	160 0	160 0	160 0	Q 10 0	10 0	10 0	3 12 0	3 12 0	3 12 0	Mozufferpore.			
22 0	22 8	20 8	20 8	21 4	22 8	160 0	160 0	180 0	9 8	9 12	10 0	4 1 0	4 0 0	3 14 6	Sarun.			
25 0	25 0	20 0	17 0	17 8	22 0	160 0	160 0	160 0	R 10 0	10 0	9 0	3 14 0	4 0 0	4 1 0	Champur.			
21 0	21 0	19 14	23 1	23 1	21 0	147 0	147 0	147 0	S 9 7	9 7	9 8	4 2 0	4 2 0	4 0 0	Monghyr.			
22 11	22 11	17 10	20 3	16 6	15 2	176 12	176 12	176 0	10 1	10 1	10 1	4 0 0	3 15 6	4 0 0	Bhagulpore.			
...	...	...	16 0	16 0	16 0	130 0	130 0	200 0	T 9 0	9 0	9 0	4 7 0	4 7 0	4 5 0	Purneah.	
...	...	...	...	...	...	160 0	160 0	120 0	9 8	9 8	9 8	4 0 0	3 14 0	4 2 0	Maldah.
24 0	25 0	18 0	20 0	20 0	22 0	200 0	200 0	200 0	9 0	9 0	9 0	4 0 0	4 0 0	4 3 0	Sonthal Pergba.			
ORISSA.																		
...	...	...	18 6	18 6	18 6	80 0	80 0	80 0	11 0	11 0	11 0	3 12 0	3 12 0	2 12 0	Cuttack.	
...	...	...	14 7	14 7	11 13	80 0	80 0	80 0	U 11 13	11 13	11 13	3 6 0	3 6 0	3 6 0	Pooree.	
...	...	...	...	...	...	160 0	160 0	160 0	V 10 0	10 0	8 8	3 14 0	3 14 0	4 4 0	Balasore.
CHOTA NAGPORE.																		
South-West Frontier Agency																		
22 0	22 0	16 8	18 0	16 0	18 0	320 0	320 0	320 0	8 0	8 0	8 0	4 4 0	4 4 0	4 6 0	Hazaribagl.			
30 0	32 0	16 8	Small. 26 0 24 0 Large. 17 0 20 0			17 0	120 0	120 0	140 0	9 0	9 0	8 12	4 7 0	4 6 0	Lohardugga.			
16 0	16 0	...	14 0	14 0	15 0	240 0	240 0	200 0	8 8	8 8	7 0	4 12 0	4 12 0	5 8	Singbhoom.			
29 0	32 0	32 0	20 0	20 0	18 0	200 0	200 0	200 0	W 9 2	9 2	9 0	4 0 0	4 0 0	4 2 6	Manbhoom.			

R At Bettiah retail price of salt 10 seers per rupee.

S In subdivisions retail prices of salt per rupee are:—Begusarai 9½ seers and Jamui 9 seers.

T At Kishengunge retail price of salt 8 seers per rupee.

U In the Khoordah subdivision retail price of salt 10½ seers per rupee.

V At Bhadrachal retail price of salt 9 seers per rupee.

W At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 11 10	2 11 10	2 12 7	2 3 7	1 15 8	1 12 9	4 3 6	4 2 8	3 13 0	2 9 9	2 9 6	2 7 6
2	Sorajunge ...	2 7 0	2 4 0	2 4 0	...	...	...	4 10 0	4 8 0	3 8 0	2 14 0	2 10 0	2 4 0
3	Dacca ...	3 0 0	3 0 0	2 8 0	2 7 0	1 8 0	1 8 0	2 13 0	2 13 0	2 12 0	2 10 0	2 10 0	2 8 0
4	Narainjunge ...	...	...	...	...	...	...	3 0 0	3 0 0	2 6 0	2 12 0	2 12 0	2 4 0
5	Chittagong ...	3 8 0	3 8 0	3 9 0	...	...	...	3 4 0	3 4 0	3 4 0	2 7 7	2 7 7	2 7 0
6	Patna ...	2 5 9 2 12 6	Red. White. 2 8 6 2 15 0	...	1 10 0	1 10 6	1 10 0	3 12 0	3 12 6	3 8 0	2 3 0	1 15 0	2 10 3
7	Balasore ...	2 8 0	2 8 0	2 10 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	1 11 0	1 11 0	1 14 0
8	Pooros ...	...	...	...	...	...	...	...	...	...	1 11 0	1 11 0	2 4 0
9	Cuttack ...	3 0 0	3 0 0	3 0 0	...	...	...	3 10 0	3 10 0	3 10 0	2 2 0	2 0 0	2 0 0

CALCUTTA,
The 8th April, 1890.

the undermentioned *Marts* of Bengal on the 31st March 1890.

GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (<i>Cicer Arictinum</i> .)			INDIAN-CORN OR MAIZE. (<i>Zea Mays</i> .)			ARHAR OR THUR. CADJAN PEA. (<i>Cajanus indicus</i> .)			FIRKWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 1 11	2 2 3	1 15 2	1 15 2	1 14 11	...	2 1 3	2 1 1	2 0 6	0 5 6	0 5 6	0 5 10	3 10 2	3 9 8	3 9 6	Calcutta.
4 0	2 2 0	3 4 0	...	...	...	...	...	...	...	...	...	3 14 0	3 14 0	3 13 0	Serajgunge.
0 0	3 0 0	3 0 0	...	...	...	2 12 0	2 12 0	2 8 0	0 4 0	0 4 0	0 5 0	4 2 0	4 2 0	3 14 0	Dacca.
0 0	2 12 0	3 0 0	...	...	...	3 2 0	3 0 0	3 2 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	3 12 0	Naraingunge.
4 0	3 4 0	3 8 0	...	...	...	...	...	...	0 6 0	0 6 0	0 5 0	4 0 0	4 0 0	4 0 0	Chittagong.
1 9 6	1 10 6	1 9 0	1 10 0	1 10 3	1 11 6	1 12 0	...	1 9 0	0 5 0	0 5 0	0 5 0	3 14 9	3 13 9	3 12 3	Patna.
12 0	2 12 0	2 14 0	...	...	...	...	...	...	0 4 6	0 4 6	0 4 6	3 14 0	3 14 0	4 4 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 6 0	3 6 0	3 6 0	Pooree.
15 0	2 5 0	1 11 0	...	...	...	2 0 0	2 0 0	2 0 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	2 12 0	Cuttack.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province

METEOROLOGICAL DIVISION.	DISTRICT.	Representative stations.	STATION OBSERVATIONS.														Mean cloud amount, 8 A.M.	Variation from normal mean, 8 A.M.
			AIR PRESSURE.					TEMPERATURE.					HUMIDITY.		CLOUD.			
			Highest, 8 A.M., barometer reading of month.	Lowest, 8 A.M., barometer reading of month.	Mean, 8 A.M., for month.	Mean reduced to sea-level.	Variation from normal mean.	Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Mean, 8 A.M., humidity.	Variation from normal mean.	Mean cloud amount, 8 A.M.		
ORISSA.	Pooree	Pooree Gopalnora False Point	30.048 30.021 30.043	29.758 29.751 29.750	29.871 29.856 29.863	29.883 29.882 29.885	— —0.41 —0.03	90.7 88.2 94.0	70.1 70.4 66.5	86.8 85.6 87.2	77.1 76.9 73.8	82.1 81.3 80.5	— +1.4 +0.4	86 81 84	— — —	3.5 1.1 5.3	— — +2.3	
	Cuttack	Cuttack	29.903	29.699	29.808	29.891	—0.43	108.4	66.8	96.7	73.9	85.2	+0.1	78	+4	3.5	+1.5	
	Balasore	Balasore	30.004	29.690	29.819	29.880	—0.59	100.5	61.6	90.8	70.3	80.8	0	83	—	0.3	—	
	South-West Midnapore and South 24-Pergunnahs	Saugor Island	30.037	29.739	29.860	29.886	—0.50	97.2	70.0	80.9	70.5	81.7	+0.4	83	—	4.2	0	
SOUTH-WEST BENGAL.	Midnapore	Midnapore	29.904	29.617	29.733	29.886	—0.59	107.4	63.8	96.1	70.9	83.5	+1.3	66	—	2.2	—	
	24-Pergunnahs, Howrah, and Hooghly.	Calcutta	30.032	29.733	29.858	29.880	—0.63	100.9	62.8	91.1	71.1	81.1	+0.5	84	+3	5.2	+0.7	
	Burdwan	Burdwan	29.935	29.634	29.764	29.866	—0.05	103.2	58.4	94.5	69.6	82.1	+1.8	65	—5	2.8	+0.8	
	Bankoora	Bankoora	29.710	29.423	29.650	29.858	—0.58	105.1	61.3	94.8	69.2	81.9	+1.0	58	—	2.4	—	
	West Burdwan Beerbhoom	Ranigunge	29.725	29.412	29.548	29.839	—0.42	103.3	59.8	94.7	68.2	81.5	+0.6	50	—	2.3	—	
	Moorshedabad	Berhampore	29.946	29.661	29.794	29.863	—0.62	103.2	56.7	93.1	67.1	80.1	+0.4	74	+5	5.2	+0.8	
	Nudda	Krishnagore	30.008	29.686	29.825	29.893	—0.56	102.7	54.8	94.2	63.8	81.4	+2.4	68	—	3.6	—	
	Jessore and Khoolna	Jessore	30.015	29.718	29.842	29.883	—0.57	99.8	61.9	92.6	71.9	82.3	+1.6	87	+5	5.8	+2.7	
	Chittagong	Chittagong	29.971	29.728	29.820	29.912	—0.63	89.6	63.5	86.9	70.6	78.8	+1.0	86	+1	5.9	—0.3	
	Chittagong Hill Tracts	Demagiri																
EAST BENGAL.	Backergunge	Barrisal	30.043	29.763	29.877	29.880	—0.44	94.3	62.6	88.3	71.6	80.0	+1.0	81	—	4.4	—	
	Noakholly	Noakholly	30.030	29.761	29.866	29.910	—0.42	89.0	60.0	86.3	71.6	78.7	+1.3	82	—	0.8	—	
	Furzedpore	Furzedpore	30.017	29.730	29.853	29.893	—0.16	87.0	51.5	85.3	69.5	77.4	+0.2	82	—	3.5	—	
	Dacca	Dacca	30.013	29.724	29.853	29.873	—0.02	97.6	59.8	90.2	69.4	79.8	+0.4	83	+8	6.8	+3.5	
	Tipperah	Comillah	30.009	29.736	29.858	29.895	—0.49	84.3	58.9	87.9	70.2	79.1	+1.3	83	—	4.1	—	
	Mymensingh	Mymensingh	29.992	29.689	29.814	29.873	—0.67	95.4	56.7	87.7	66.3	77.0	+2.2	86	—	5.6	—	
	Bogra	Bogra	29.966	29.686	29.772	29.896	—0.63	100.8	54.9	92.5	65.6	79.0	+2.1	79	—	3.3	—	
	Pubna	Seraingunge	29.992	29.689	29.811	29.858	—0.64	97.8	54.8	90.6	65.0	77.8	+0.9	80	—	4.1	—	
	Rajshahye	Rampore Benuloh.	29.966	29.661	29.793	29.865	—0.44	100.6	55.7	92.2	66.5	79.3	+1.9	68	—	1.8	—	
	Maldah	Maldah	29.966	29.634	29.773	29.856	—	101.5	52.4	93.0	62.7	77.8	—	57	—	0.9	—	
NORTH BENGAL.	Dinapore	Dinapore	29.926	29.676	29.725	29.849	—0.92	101.4	50.2	91.6	62.6	77.1	+1.3	57	—	2.4	—	
	Rungpore	Rungpore	29.955	29.581	29.735	29.863	—0.52	99.4	48.0	89.9	61.6	75.8	+2.1	64	—	0.3	—	
	Julpigoree and Cooch Behar.	Julpigoree	29.776	29.404	29.545	29.843	—0.78	96.1	45.9	87.9	57.1	72.4	—0.4	63	—	1.2	—	
	Darjeeling Hill Tracts	Darjeeling	29.937	29.700	29.857	—	—	64.1	36.2	67.0	42.3	49.6	—0.5	58	—8	2.2	—2.5	
	Purneah and North Bhagulpore.	Purneah	29.932	29.666	29.716	29.846	—0.71	99.8	49.0	90.2	60.8	75.3	—0.3	57	—5	1.0	—0.5	
	Mozufferpore	Mozufferpore						Observations suspended.										
	Durbhunga	Durbhunga	29.878	29.537	29.676	29.848	—0.70	98.2	?	89.2	?	?	?	52	—2	1.7	+0.3	
	Chumparan	Motihari	29.837	29.474	29.615	29.832	—0.48	98.2	49.9	88.8	57.9	73.3	—0.3	65	—	2.7	—	
	Saran	Chupra	29.909	29.539	29.650	29.840	—0.54	98.3	52.0	89.5	61.8	75.7	—0.7	59	—	1.7	—	
	SOUTH BENGAL.	Shshabad	Dehree Buxar Arrah	29.833 29.878	29.507 29.528	29.636 29.667	29.885 29.898	—0.57 —0.53	97.9 96.3	58.2 56.2	90.2 91.5	65.9 64.8	78.0 78.2	+0.6 +1.0	49 53	— —	3.1 2.7	— —
Gya		Gya	29.662	29.380	29.494	29.832	—0.40	101.0	59.1	91.4	66.3	79.5	—0.8	51	+5	3.2	+1.1	
Patna		Bankipore	29.875	29.554	29.675	29.863	—0.58	100.5	57.8	91.3	63.9	78.6	+1.1	42	—10	2.7	+0.8	
South Bhagulpore and Monghyr.		Bhagulpore	29.874	29.539	29.673	29.859	—0.68	101.3	57.9	92.0	66.5	79.2	+2.1	46	—	2.0	—	
Sonthal Pergunnahs		Naya Doonka	29.535	29.228	29.358	29.806	—0.47	102.2	55.8	93.5	63.7	80.1	+0.9	47	—	1.1	—	
Hazaribagh		Hazaribagh	28.608	27.751	27.856	29.882	—0.52	97.5	57.6	87.9	64.8	76.3	—0.2	41	0	2.9	+1.3	
Lohardugga Maunbhum		Ranchee	27.887	27.624	27.738	29.884	—0.46	97.0	57.4	87.3	63.8	75.5	—0.4	51	—	1.7	—	
Singbhoom		Chyabassa	29.270	29.003	29.106	29.894	—0.42	105.3	60.8	95.9	68.4	81.7	+0.3	63	—	2.3	—	
CHUTIA NAGPUR.			Sibhagar	29.785	29.447	29.591	29.940	—0.18	85.6	54.2	77.37	58.6	65.29	—1.57	93	+4	7.4	+1.4
			Dhubri	29.942	29.577	29.751	29.853	—0.60	97.6	56.2	89.0	64.7	76.8	+1.1	66	—8	2.8	+0.7
		Filchar	29.970	29.691	29.803	29.910	—0.69	89.5	55.4	84.3	63.9	74.6	+0.3	87	+2	8.3	+3.9	
ASSAM	Assam																	

* Mean for 24 days.

† „ for 30 „

Bengal for the month of March 1890.

DISTRICT OBSERVATIONS.											Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
RAINFALL.													
Of month.					Since 15th May 1889.								
Mean of dis- trict.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean num- ber of rainy days.	Mean of dis- trict.	Normal mean.	Variation.	Mean num- ber of rainy days.	Normal mean num- ber of rainy days.				
2'03	0'80	+1'83	6'0	2'2	77'59	57'25	+2'31	102'8	57'3	Pooree Gopalpore False Point	Pooree	ORISSA.	
1'59	1'12	+0'77	4'0	2'4	68'30	53'89	+14'41	97'8	53'9	Cuttack	Cuttack	SOUTH-WEST BEHAL.	
2'46	1'29	+1'17	5'3	2'7	52'53	55'64	-3'11	88'9	82'2	Balasore	Balasore		
1'53	1'26	+0'07	4'7	2'4	29'07	65'01	-3'04	105'6	90'4	Saugor Island	South-West Midnapore and South 24-Pergun- nahs.		
1'03	1'02	-0'9	3'0	2'8	47'42	54'19	-6'77	89'1	77'0	Midnapore	Midnapore	SOUTH-WEST BEHAL.	
0'59	1'02	-0'03	2'7	3'2	54'09	54'43	+0'26	94'5	96'0	Calcutta	24-Pergunnahs, Howrah, and Hooghly.		
0'60	1'42	-0'82	2'0	2'9	44'49	49'16	-4'67	86'2	81'0	Burdwan	Burdwan		
0'80	1'14	-0'25	2'8	2'6	50'82	54'09	+2'73	85'7	87'1	Bankoora	Bankoora	EAST BEHAL.	
0'69	0'44	+0'45	3'5	2'0	53'15	53'24	-0'09	88'5	87'9	Raungunge	West Burdwan and Beerbhoom.		
0'32	0'91	-0'59	2'0	2'3	51'49	52'23	-0'76	84'1	83'3	Berhampore	Moorsheadabad		
0'41	1'80	-0'39	2'4	3'0	52'02	51'98	+0'04	90'4	83'2	Krishnagore	Nuddea	EAST BEHAL.	
0'21	2'23	-2'02	1'5	3'6	54'96	55'66	-1'60	99'4	90'7	Jessore	Jessore and Khoolna		
2'15	2'07	+0'48	5'0	3'6	102'90	116'28	-13'68	116'5	113'2	Chittagong	Chittagong		
4'29	2'78	+1'51	2'5	4'1	69'8	83'25	-15'36	101'5	129'8	Demagiri	Chittagong Hill Tracts	EAST BEHAL.	
0'30	2'17	-1'07	1'8	4'0	78'91	89'23	-1'32	105'7	111'9	Barrisal	Backergunge		
2'90	3'78	-0'88	4'5	5'4	93'69	111'94	-18'25	118'5	113'8	Noakholly	Noakholly		
1'39	2'70	-1'31	2'7	4'4	63'61	59'02	+3'69	87'9	9'3	Furreedpore	Furreedpore	NORTH BEHAL.	
1'73	3'21	-1'46	0'5	4'0	77'94	61'02	+13'92	113'5	98'6	Dacca	Dacca		
1'25	4'11	-2'24	3'5	5'5	58'44	74'44	-16'00	98'6	104'8	Commillah	Tipperah		
2'39	2'22	+0'28	3'4	4'2	91'18	70'41	+20'82	110'4	95'0	Mymensingh	Mymensingh	NORTH BEHAL.	
0'77	1'10	-0'33	2'5	2'6	69'59	59'11	+7'28	101'2	81'9	Bogra	Bogra		
2'01	1'50	+0'51	5'9	3'3	57'38	55'99	+1'45	108'5	88'6	Serajgunge	Pubna		
0'08	0'57	-0'79	1'3	2'4	54'43	55'69	-1'16	91'6	81'9	Rampore Beau- leah.	Rajshahye	NORTH BEHAL.	
0'11	0'60	-0'49	2'0	1'8	36'99	55'41	-18'51	76'0	87'7	Maldah	Maldah		
0'94	0'70	-0'06	0'6	1'8	57'53	58'53	-1'02	84'1	81'6	Dinapore	Dinapore		
0'02	1'47	-1'45	0'5	2'4	85'89	75'73	+10'16	88'2	80'3	Rungpore	Rungpore	NORTH BEHAL.	
0'06	1'91	-1'85	0'6	3'4	117'78	113'47	+4'32	106'0	101'0	Julpigoree	Julpigoree and Cooch Behar.		
0'07	2'12	-2'05	1'8	4'6	133'53	124'10	+9'43	139'4	121'0	Darjeeling	Darjeeling Hill Tracts.		
0'03	0'49	-0'44	0'6	1'3	75'05	59'67	+15'38	76'2	72'8	Purneah	Purneah and North Bhagulpore.	NORTH BEHAL.	
0'07	0'48	-0'41	1'0	1'3	48'92	44'41	+4'51	72'4	69'7	Mozufferpore	Mozufferpore		
0'06	0'30	-0'24	1'0	1'1	52'17	46'42	+5'75	63'0	60'2	Durbhunga	Durbhunga		
0'15	0'37	-0'22	1'0	1'1	64'11	47'64	+16'57	67'0	56'5	Motihari	Chumpanun	NORTH BEHAL.	
0'17	0'51	-0'04	1'3	1'1	40'9	43'60	-3'30	59'7	60'2	Chupra	Sarun		
0'40	0'41	-0'01	2'4	1'6	40'40	40'90	-0'57	71'0	64'0	Dehree Buxar Arrah	Shahabad		
0'25	0'33	-0'14	3'0	1'5	37'34	42'43	-5'09	67'0	60'7	Gya	Gya	SOUTH BEHAL.	
0'12	0'29	-0'18	1'0	1'3	43'62	42'03	+1'59	64'4	61'9	Bankipore	Patna		
0'06	0'23	-0'27	0'6	1'2	42'53	44'02	-1'49	70'6	68'9	Bhagulpore	South Bhagulpore and Monghyr.		
0'44	0'56	-0'12	3'3	1'5	54'46	51'82	+2'77	86'4	78'8	Naya Doonka	Sonthal Pergunnahs	SOUTH BEHAL.	
0'01	0'85	-0'24	2'8	2'1	47'61	51'86	-5'25	84'6	84'8	Hazaribagh	Hazaribagh		
0'09	0'79	+0'00	5'0	2'6	46'03	50'50	-4'53	87'1	90'9	Ranchee	Lohardugga		
0'01	0'17	+0'14	0'5	2'7	59'37	48'63	+10'74	102'6	89'0		Manbhoom	CHUTIA NAGPUR.	
1'08	1'21	-0'13	6'0	2'9	49'84	63'63	-3'79	106'0	97'4	Chyebasaa	Singbloom		
										Sibsagar... Dhubri ... Silchar ...	Assam	ASSAM	

Table of Rainfall recorded at Station

[illegible]

[illegible]

Table of Rainfall recorded at Stations

[illegible]

In Bengal in March 1890—continued

31	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1890 up to 31st March 1890.	Average rainfall from 1st January up to 31st March.	Station.	District.	Meteorological division.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Patuakhally	Backergunge.	East Bengal—concl.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Persepore.	Backergunge.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Borissai.	Backergunge.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Bhoia.	Backergunge.	East Bengal—concl.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Governaid.	Backergunge.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Banphal.	Backergunge.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Nonkhally.	Nonkhally.	East Bengal—concl.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Fenny.	Nonkhally.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Harishpore.	Nonkhally.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Ramganj.	Nonkhally.	East Bengal—concl.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Madaripore.	Purandarpore.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Furandipore.	Purandarpore.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Gokulando.	Purandarpore.	East Bengal—concl.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Munshigunge.	Dacca.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Dacca.	Dacca.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Naraingung.	Dacca.	East Bengal—concl.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Manickgunge.	Dacca.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Joydebpore.	Dacca.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Azartola.	Hill Tipperah.	East Bengal—concl.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Comilla.	Tipperah.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Chandpore.	Tipperah.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Brahmanberia.	Tipperah.	East Bengal—concl.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Ramchandrapore.	Tipperah.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Nasirnagar.	Tipperah.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Dandkandi.	Tipperah.	East Bengal—concl.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Kasba.	Tipperah.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Lakshan.	Tipperah.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Kishoregunge.	Mymensingh.	East Bengal—concl.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Atia (Tangail).	Mymensingh.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Mymensingh.	Mymensingh.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Jamulpore.	Mymensingh.	East Bengal—concl.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Netrokona.	Mymensingh.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Subornakhal.	Mymensingh.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Durgapore.	Mymensingh.	East Bengal—concl.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Sherepore Town.	Mymensingh.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Dewanganj.	Mymensingh.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Pubna.	Pubna.	North Bengal.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Serajgunge.	Pubna.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Sherpore.	Pubna.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Nowkhilla.	Bohara.	North Bengal.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Bohara.	Bohara.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Panchibibi.	Bohara.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Beaulah.	Rajshahye.	North Bengal.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Natore.	Rajshahye.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Nagpore.	Rajshahye.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Lalpur.	Rajshahye.	North Bengal.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Manda.	Rajshahye.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Maidah.	Rajshahye.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Chandah.	Maidah.	North Bengal.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Gajol.	Maidah.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Sibganj.	Maidah.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Mohadebpore.	Dinapore.	North Bengal.
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Churamon.	Dinapore.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.7	0.23	1.81	0.25	0.71	3.71	Raigunge.	Dinapore.	
1.36	1.12	0.20	0.04	0.03	0.75	0.04	0.78	0.01	0.00	0.00	1	3.								

Table of Rainfall recorded at Stations in

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NORTH BEHAR — <i>contd.</i>	Durbhanga ...	Tajpore	0.07
		Durbhanga	0.13
		Madhubani	0.03
		Bahera	0.13
	Muzafferpore	Boshera	0.05
		Sitamarhi	0.04
		Muzafferpore	0.11
		Hajipore	0.07
		Para	0.20
		Mahua
	Chumpran ...	Sinkar	0.03	0.29	0.05
		Pupri	0.30	0.04
		Motihari	0.19
		Bettiah	0.12
	Sarun ...	Bagaha	0.11
		Burhura	0.21	0.02
		Gopalgunge	0.10	0.15
		Sewan	0.14
SOUTH BEHAR	Shahabad ...	Chupra	0.11	
		Buxar	0.02	0.28	
		Dehree	0.20	0.00	0.02	
		Bhuboah	0.40	
	Gya ...	Sasseram	0.76	0.00	
		Araha	0.07	
		Mohanah	0.23	
		Aurangabad...	0.08	0.12	
	Patna ...	Gya	0.01	0.10	
		Nowadah	0.05	
		Jehanabad	0.20	0.01	
Monghyr ...	Arwal	...	...	...	...	0.15	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Daudnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sheerghati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rajauli	...	...	...	...	0.02	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Bhagul- pore.	Pakri Bara- wan.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Patna	...	...	...	...	0.04	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dinapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Behar	...	...	...	...	...	0.19	...	...	...	...	...	...	...	...	...	...	...	...	...
Monghyr ...	Barh	...	...	...	...	0.20	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bickram	...	...	...	...	0.20	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hilsa	...	...	...	...	0.38	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Begooneri	...	...	...	...	0.05	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Bhagul- pore.	Monghyr	...	...	...	...	0.10	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jamul	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gogri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Shelkura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Bhagul- pore.	Bhagulpore	...	...	...	...	0.14	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Banka	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kolpang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bangaon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Per- gunnahs.	Rajmehal	...	...	...	...	0.07	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Godda	...	...	...	...	0.30	...	...	...	...	0.30	0.10	...	...	...	...	...	...	...	...
	Pakour	...	...	...	...	0.13	...	...	...	...	0.04	...	...	...	...	...	...	...	...	...
	Nya Doomka	...	...	...	...	0.05	0.10	...	...	...	0.08	0.07	...	...	...	...	...	...	...	...
South Per- gunnahs.	Deoghur	...	...	...	...	0.24	0.13	...	...	...	0.05	...	...	...	...	...	...	...	...	...
	Jamtara	...	...	...	...	0.15	0.35	...	...	...	0.13	0.16	...	...	...	...	...	...	...	...
	Mohagama	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Naukat	...	...	...	...	1.00	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CHUTIA NAG- PUR.	Hazaribagh ...	Pachanla (Girid).	...	...	...	...	0.11	0.06	...	...	0.00	0.08	...	...	...	...	...	...	...	...
	Hazaribagh	...	...	...	...	...	...	...	...	...	0.37	0.14	...	...	...	...	...	...	...	...
	Semtagurh	...	...	...	...	0.24	...	...	...	...	0.20	0.30	...	...	...	...	...	...	...	...
	Mahudi Hills	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lohardugga...	Jhoomrah Hills	Barhi	...	...	...	...	0.20	...	...	...	0.20	0.07	...	...	...	...	...	...	...	...
	Chatra	...	...	...	...	0.35	1.45	...	...	...	0.25	0.10	...	...	...	...	...	...	...	...
	Karaydeha	...	...	...	...	0.25	0.34	...	...	...	0.06	0.05	...	...	...	...	...	...	...	...
	Ramghar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lohardugga...	Lohardugga	...	...	...	...	0.15	...	...	...	...	0.25	0.15	...	...	...	...	...	...	...	...
	Ranchi	...	...	...	...	0.30	0.12	0.37	0.34	...	0.45	...	...	...	...	...	...	...	...	...
	Palmow	...	...	...	...	0.42	0.32	...	...	...	0.17	0.15	...	...	...	...	...	...	...	...
	Silli	...	...	...	...	...	...	...	...	...	0.40	...	...	...	...	...	...	...	...	...
Singbhoom ...	Balumat	...	...	...	...	0.02	0.01	...	...	...	0.04	0.08	...	...	...	...	...	...	...	...
	Hoseinabad	...	...	...	...	...	...	...	...	...	0.10	...	...	...	...	...	...	...	...	...
	Garwah	...	...	...	...	0.45	...	...	...	...	0.12	0.09	...	...	...	...	...	...	...	...
	Chyehassa	...	...	...	...	0.10	...	...	...	...	0.09	...	...	...	...	...	...	...	...	...
Singbhoom ...	Chakradhar- pore.	...	...	...	...	0.15	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chatila	...	...	...	...	1.10	...	...	...	...	0.33	...	...	...	...	...	...	...	...	...
	Baharagura...	...	...	...	...	...	...	...	...	...	0.42	...	...	...	...	...	...	...	...	...
	Purulia	...	...	...	...	0.06	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Singbhoom ...	Gobindpore	...	...	...	...	0.08	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raghunath- pore.	...	...	...	...	...	...	...	...	...	0.35	...	...	...	...	...	...	...	...	...
	Barrabhoom...	...	...	...	...	0.16	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jhaida	...	...	...	...	...	...	...	...	...	0.04	1.00	...	...	...	...	...	...	...	...
Singbhoom ...	Chas	...	...	...	...	0.07	0.33	...	...	...	0.38	...	...	...	...	...	...	...	...	...
	Chas	...	...	...	...	...	...	...	...	...	0.29	0.17	...	...	...	...	...	...	...	...

Bengal for the month of March 1890—concluded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1880 up to 31st March 1890.	Average rainfall from 1st January up to 31st March.	Station.	District.	Meteorological division.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS
TAKEN IN ASSAM, FOR THE MONTH OF MARCH 1890.

THE transition from the cold-weather conditions to those of the hot season in Bengal, which usually commences at the close of February, becomes complete in March. The normal features of the meteorology of March are therefore rapidly increasing temperature, gradually decreasing pressure, a general increase in the air motion, winds becoming westerly at the inland stations and south-westerly at the southern stations, while the northerly component in the wind directions almost disappears except in Behar; the air is also generally very dry, skies are clear, and there is an almost complete absence of rain, unless the normal weather conditions are disturbed by the occurrence of the local storms known as nor'-westers. These storms are believed to be brought about by the interaction of the more or less opposing wind systems which obtain to a certain extent over Bengal in this month, for at the western stations, winds are strongly westerly, at the southern stations strong moist southerly winds usually blow, while easterly winds continue to blow down the Assam Valley, and sometimes penetrate as far as Purneah and Durbhunga. From the nature of the formation of these nor'-westers and their local character, the rainfall brought by them, which is sometimes decidedly heavy, is very irregularly distributed. Occasionally also the normal conditions in March are disturbed by the formation of depressions over Northern India, which extend and travel in a south-easterly direction, and give unsettled weather and perhaps rain to Behar, Chutia Nagpur, and North Bengal, but these barometric depressions are usually less numerous and less influential in character than they are in the previous cold-weather months.

By these irregular actions a moderate amount of rain is brought to Bengal during March. The normal rainfall is heaviest in East Bengal, where it averages about 28 inches. In South-West Bengal, North Bengal, and Orissa the fall ranges from about one to one-and-a-half inches; in Chutia Nagpur it is rather less than an inch; while in Behar it is rather less than half an inch.

Meteorology of the month.—The main features in the meteorology of March 1890, which has been on the whole rather abnormal in character, have been—

1. The mean pressure over the province of Bengal has been rather largely in defect of the normal, the defect usually ranging from about four to seven-hundredths of an inch. This defect has been fairly equally distributed, but it is actually largest in the northern and north-eastern parts of the province. In Assam also the defect is larger than over Bengal generally, and at Dhubri it amounts to 0.08 inch.

2. The average temperature over Bengal has been in excess of the normal in all districts, and indeed at almost all stations except some close to the hills in North Bengal. The usual excess ranges from about a half to nearly two degrees. In Assam also temperature has been in excess of the normal by about similar amounts.

3. The variations of humidity from the average have not been large, and humidity has been in excess and in defect of the normal at an almost equal number of stations.

4. Cloud proportion has been in excess of the normal by rather considerable amounts at almost all stations in the province at which observations have been taken for a sufficient number of years to yield reliable averages.

5. During March no distinctly-formed or well-marked barometric depressions travelled over Bengal from Northern India, and thus the province was practically free from the second class of disturbances mentioned under the normal meteorology of the month. Generally disturbed conditions, during which rapid and large variations of temperature and pressure occurred, were however prevalent over a considerable part of the province for the first two thirds of the month. These disturbed conditions were not sufficiently intense to produce any very prolonged and general series of the local storms known as nor'-westers in any district, but they only resulted in the formation of rather scattered storms which occurred at irregular intervals. In Behar the few storms which occurred gave rain from about the 4th to the 6th instant; in Chutia Nagpur and South-West Bengal a few showers occurred from the 5th to the 10th instant; in Orissa the showers attending these local storms were more numerous, and they extended up to about the 16th instant; and in East Bengal, as usual, the disturbances extended longer than in other districts, and did not cease until about the 20th; while in North Bengal the number of local storms which occurred was extremely small and, except in a few districts, no rain was received. Speaking generally of the storms of March, it may be said they were more feeble in character than usual.

6. The rainfall generally over the province of Bengal has thus been on the whole rather largely in defect of the normal, and the falls in North Behar, North Bengal, South-West Bengal, and South Behar, vary only from about a quarter to one-half the normal amount; in East Bengal the fall has been about two-thirds the usual; while, on the other hand, in Chutia Nagpur the fall has been slightly in excess of the normal. The only district in which the fall has been in distinct or large excess is Orissa, where the amount of rain received has been about twice as large as usual.

The daily meteorology of March in Bengal and Assam does not call for any particular detailed comment. For the first three weeks the main abnormal features were the very rapid and large changes of barometric pressure and of temperature which occurred. In the latter case changes from temperatures of three to five degrees above the normal to from six to

ten degrees below it occurred within a period of two or three days at different stations in the province, thus showing abnormally large changes even for March. In the case of pressure also the changes were large, in many cases exceeding a tenth of an inch, and in certain cases equalling about a seventh from one day to another; but together with these large daily fluctuations, there was also the steady increase of temperature usual in March, and the establishment of comparatively low pressure. Accompanying these large changes there were also very frequent changes in the wind systems obtaining over Bengal, and to the alternate strengthening of the moist southerly winds and of the dry westerly and north-westerly winds blowing from the interior, which caused the interaction to take place over different districts at different periods, the alteration in the position of formation of the local storms during this period is probably due. During the last ten days of the month, however, these disturbed conditions practically ceased, and a period of very dry hot weather set in, during which the principal feature was the steadily increasing temperature and the establishment of temperature conditions very considerably above the normal. The low pressure which had established itself over Bengal during the earlier part of the month, however, still continued, though it was not so pronounced as it had been, and the winds blowing over the province became those usual during the hot season of the year. The meteorology of the month has therefore been somewhat abnormal, and even up to its close the weather conditions were not entirely normal for the hot season.

Pressure—During the first week of the month was above the normal in all districts, the excess usually ranging from about four to seven-hundredths of an inch. In the second week a decidedly rapid fall had occurred, and pressure had become from eight to twelve-hundredths of an inch in defect of the normal. In the third week the defect still continued, and the largest defects were slightly over a tenth of an inch in South-West Bengal, and the smallest about eight-hundredths of an inch in part of South-West and East Bengal. During the last part of the month pressure continued uniformly low, especially over an area extending from the centre of the province northwards over North Bengal. In the fourth week the largest defects were in Purneah and Julpigoree, where they averaged nearly 0.15 inch, and over the remainder of the province generally the defect averaged nearly a tenth of an inch. For the whole month, therefore, the mean pressure has been in defect of the normal, the usual defect ranging from four to seven hundredths of an inch, and being usually largest in the north and north-east of the province and in Assam.

Temperature—Was during the first week of the month rather less than a degree below the normal for the period, the largest defects being registered in North Behar and Chutia Nagpur. In the second week the defect had increased slightly, and it averaged one degree, the defect again being large in Chutia Nagpur and also in South-West Bengal. In the third week temperature was generally rising rather rapidly, and the average temperature had become in excess of the normal by amounts ranging up to 2.5°; while in the fourth week the mean temperature both during the day and night had become largely in excess of the normal, the excess averaging from about 2° to 4° in most districts. The mean temperature for the whole month has therefore been generally in excess of the normal, the excess ranging from 0.5° in Orissa to 1.3° in North Bengal. In Assam temperature has been slightly below the normal.

The following table will show the principal variations of the day, night and mean temperatures from the normal in each week of the month at nine typical stations in different districts of the province:—

STATIONS.	WEEK ENDING 7TH MARCH 1890.			WEEK ENDING 14TH MARCH 1890.			WEEK ENDING 21ST MARCH 1890.			WEEK ENDING 28TH MARCH 1890.		
	Variation of actual mean maximum temperature of week from normal mean.	Variation of actual mean minimum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.	Variation of actual mean maximum temperature of week from normal mean.	Variation of actual mean minimum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.	Variation of actual mean maximum temperature of week from normal mean.	Variation of actual mean minimum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.	Variation of actual mean maximum temperature of week from normal mean.	Variation of actual mean minimum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.
Cuttack	-2.8	0	-1.3	-2.6	+0.3	-1.2	-2.7	+1.4	-0.6	+3.5	+2.7	+3.0
Calcutta	-2.9	-0.2	-1.6	-3.2	-1.5	-2.4	+0.4	+2.4	+1.5	+4.2	+3.2	+3.7
Dacca	-1.4	-1.0	-1.1	-2.2	-1.7	-1.9	+0.2	+0.9	+0.6	+2.0	+3.0	+2.5
Burdwan	-1.2	+0.7	-0.3	-3.0	-0.8	-1.0	+0.9	+1.3	+1.3	+3.5	+1.9	+2.7
Patna	-2.6	+1.3	-0.5	-1.7	+1.3	-0.2	+1.8	+2.7	+2.3	+1.6	+3.7	+2.6
Gya	-4.0	+0.5	-1.2	-5.0	-0.1	-2.6	0	+2.3	+1.1	-1.3	+3.9	+1.2
Purneah	-2.5	-2.3	-2.4	-2.6	-1.1	-1.9	-0.9	+2.5	+0.8	+2.6	+1.3	+1.9
Hazaribagh	-2.5	-0.2	-1.4	-4.9	-0.5	-2.9	+0.5	+2.5	+1.5	+1.2	+1.0	+1.1
Darjeeling	-2.4	-3.7	-3.0	-1.2	-3.0	-2.0	-2.0	-1.3	-1.6	+4.5	+2.1	+3.5

Rainfall.—The heaviest falls of rain during the month have occurred in Orissa, the stations in which have received an average amount of 2·37 inches, which is rather more than twice the usual fall. In East Bengal also an average fall of two inches has been received, but this is very little more than two-thirds the usual fall. Chutia Nagpur has received an average rainfall of one inch, which is slightly in excess of the normal amount. The stations in South-West Bengal have received an average fall of 0·57 inch, which is only about one-third of the usual amount. In all other cases the falls are exceedingly small, and average less than a third of an inch, and they are in all cases largely below the normal, the falls generally equalling from a fourth to about one-half the normal falls.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the month of March 1890 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.						
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 15th May 1889.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	106·4	61·6	89·4	74·5	82·0	+0·5	2·37	1·10	+1·27	5·0	2·4	+2·6	64·52	55·47
South-West Bengal	107·4	54·8	93·1	70·3	81·7	+1·1	0·57	1·46	-0·89	2·6	3·0	-0·4	53·38	54·45
East Bengal	97·6	51·5	87·5	69·8	78·7	+1·2	2·00	2·86	-0·86	3·9	4·5	-0·6	78·00	73·17
North Bengal	101·5	48·0	91·1	63·0	77·0	+1·3	0·32	1·22	-0·90	1·4	2·5	-1·1	73·86	72·28
North Behar	90·8	49·0	89·5	60·1	74·9	-0·4	0·16	0·40	-0·20	0·9	1·2	-0·3	58·00	49·61
South Behar	102·2	55·8	91·7	66·0	78·9	+0·8	0·26	0·41	-0·15	2·1	1·4	+0·7	44·44	44·71
Chutia Nagpur	97·5*	67·0*	87·6*	64·5*	73·9*	-0·3*	1·02	0·85	+0·17	4·0	2·5	+1·5	44·10	51·09
Assam	97·6	54·2	83·7	62·8	73·2	-0·1								

* Chyebasa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 8th April 1890.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

**Results of the Meteorological Observations taken at the Alipore Observatory from
30th March to 5th April 1890.**

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 55° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1890.		°		Inches.	°	°	°	°	°	Inches.	°	%			Inches.	
March	30th	149.9	9.0	29.782	86.0	98.4	25.6	72.8	75.4	0.743	70.3	64	Calm and variable...	56	Nil	Chiefly clear ☀, ☁.
"	31st	151.3	8.6	.778	87.0	98.4	20.9	77.5	76.8	.788	72.1	65	Variable ...	67	"	Morning cloudy, day and night clear, ☀.
April	1st	150.7	9.5	.771	87.2	98.4	21.7	76.7	76.4	.768	71.3	63	WSW and variable	71	"	Clear.
"	2nd	150.3	9.3	.787	86.7	98.4	21.5	76.9	77.8	.832	73.7	68	WSW, SSW and variable.	88	"	Chiefly clear, ☀.
"	2nd	147.3	7.6	.802	85.5	94.8	19.5	75.3	78.7	.891	75.7	74	SSW and SW ...	118	"	Partially cloudy, ☀.
"	4th	147.1	7.6	.826	85.0	95.2	20.2	75.0	78.0	.866	74.9	73	SSW	98	"	Partially cloudy, ☀, ☀, ☁.
"	5th	145.7	7.0	.826	85.3	93.6	17.6	76.0	77.4	.834	73.8	68	SSW	142	Not measur- able.	Chiefly cloudy, t, l, d, ☀.

The mean pressure of the seven days ... 29.796
The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 29.788

The total number of hours of bright sunshine ... 58.6
The maximum possible number of hours of sunshine ... 86.5

The mean temperature of the seven days ... 86.1
The average temperature of the corresponding period for 24 years, S.-G.'s Office ... 84.0
The extreme variation of temperature ... 25.6
The maximum temperature ... 98.4

The highest velocity of the wind in one hour ... 14
lbs.

The highest pressure of wind on one square foot ... Approximately 2
%

The mean relative humidity ... 68
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office ... 67

The total fall of rain from 30th March to 5th April 1890 ... Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 0.30
The total fall from 1st January to 5th April 1890 ... 1.10
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 3.07

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h., 10h., 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

☀ dew; ☁ fog; o overcast; t thunder; l lightning; d drizzling rain; ☾ lunar corona.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 7th April 1890.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.													
			DISTRICT.	Representative station.	AIR PRESSURE.			WIND.		TEMPERATURE.						
					Mean barometric height, 8 A.M.	Mean reduced to sea-level.	Variation from mean.	prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.
ORISSA.	Pooree	Pooree	29.850	29.862	—	Calm	147	91.2	29th Mar.	78.1	1st April	89.3	79.8	84.5	—	
	Gopalpore	Gopalpore	29.832	29.854	—0.011	Northerly	291.0	86.7	4th April	77.8	31st Mar.	86.0	78.4	82.2	+0.2	
	False Point	False Point	29.850	29.872	—0.002	SSW	247.0	91.0	30th Mar.	72.6	1st "	85.7	76.0	82.7	—0.2	
	Cuttack	Cuttack	29.788	29.870	+0.007	Calm	51.0	104.4	30th "	75.5	30th Mar.	102.4	78.0	90.2	—0.4	
	Balasore	Balasore	29.809	29.869	+0.004	S	118.9	100.5	30th "	72.8	30th "	93.6	74.7	85.3	+1.0	
	South-West Midnapore	Saugor Island	29.847	29.873	+0.005	SW	315.0	97.3	30th "	77.6	30th "	91.8	79.9	85.9	+2.1	
	South 24-Pergunnahs	Midnapore	29.719	29.871	+0.012	S	74.6	106.4	30th "	73.1	30th "	103.4	75.2	89.3	+2.1	
	24-Pergunnahs	Calcutta	29.845	29.867	+0.011	South-westerly	82	100.9	30th "	72.7	30th "	98.3	75.9	87.1	+3.0	
	Howrah	Burdwan	29.740	29.850	—0.003	South-westerly	63.7	102.6	1st April	72.4	30th "	101.6	75.6	88.6	+2.3	
	Hooghly	Bankoora	29.837	29.839	+0.008	Calm	75.9	104.6	30th Mar.	71.4	1st "	103.1	74.0	88.4	+1.9	
SOUTH-WEST BENGAL.	Burdwan	Burdwan	29.837	29.839	+0.008	Calm	75.9	104.6	30th Mar.	71.4	1st "	103.1	74.0	88.4	+1.9	
	Bankoora	Bankoora	29.837	29.839	+0.008	Calm	75.9	104.6	30th Mar.	71.4	1st "	103.1	74.0	88.4	+1.9	
	Beerbhoom	Raneegunge	29.834	29.871	+0.020	Variable	58.0	103.5	30th "	71.5	1st "	102.6	73.2	87.9	+1.4	
	West Burdwan	Berhampore	29.782	29.850	+0.009	SSW	113.8	102.2	30th "	69.7	1st "	100.9	72.6	86.7	+1.4	
	Moorshedabad	Berhampore	29.782	29.850	+0.009	SSW	113.8	102.2	30th "	69.7	1st "	100.9	72.6	86.7	+1.4	
	Nuddea	Krishnagur	29.807	29.875	+0.015	WSW	125.0	102.6	1st April	70.5	30th Mar.	101.6	74.9	88.3	+4.2	
	Jessore	Jessore	29.827	29.861	+0.005	SW	67.1	101.8	30th Mar.	76.4	30th Mar., 4th April	99.9	75.0	89.0	+4.2	
	Khoolna	Jessore	29.827	29.861	+0.005	SW	67.1	101.8	30th Mar.	76.4	30th Mar., 4th April	99.9	75.0	89.0	+4.2	
	Chittagong	Chittagong	29.811	29.902	—0.011	SE & SSE	103.0	90.1	2nd April	73.0	1st "	89.0	75.1	82.1	+2.6	
	Chittagong Hill Tracts	Demagiri						Observations not received.								
EAST BENGAL.	Backergunge	Barrisal	29.806	29.878	+0.011	SW	92.1	94.3	30th Mar., 2nd April	75.4	3, 4 "	93.5	76.2	84.8	+3.2	
	Noakholly	Noakholly	29.857	29.901	+0.008	Variable	135.0	90.0	2nd & 3rd April	73.2	2nd "	89.3	75.8	82.6	+1.9	
	Furreedpore	Furreedpore	29.850	29.870	+0.003	SW	132.7	93.5	4th "	75.4	30, 31 Mar.	89.4	76.0	82.7	+2.3	
	Dacca	Dacca	29.841	29.864	—0.002	SW	131.3	98.6	1st "	74.7	31st Mar., 4th April	97.0	75.3	86.2	+3.2	
	Commillah	Commillah	29.854	29.890	+0.012	SW	110.8	96.3	2nd "	74.3	30th Mar.	95.2	75.3	85.2	+3.4	
	Mymensingh	Mymensingh	29.802	29.861	+0.017	South-easterly	96.6	95.7	2nd "	70.8	31, 1 April	94.4	73.2	83.8	+3.9	
	Bogra	Bogra	29.754	29.818	0	Southerly	117.8	103.3	3rd, 4th April	66.1	1st "	100.5	70.2	85.4	+1.0	
	Pubna	Serajgunge	29.797	29.844	—0.004	S & WSW	76.7	98.9	3rd "	69.0	2nd "	97.9	71.6	84.8	+1.6	
	Rajshahye	Rampore Beau-laud.	29.769	29.840	+0.011	SW	100.8	100.0	1st "	68.2	30th Mar.	97.9	71.6	84.8	+1.6	
	Maldah	Maldah	29.757	29.833	+0.071	SW	84.1	102.8	4th "	62.4	2nd April	101.1	64.8	85.0	+0.9	
NORTH BENGAL.	Maldah	Maldah	29.757	29.833	+0.071	SW	84.1	102.8	4th "	62.4	2nd April	101.1	64.8	85.0	+0.9	
	Dinapore	Dinapore	29.707	29.830	—0.029	SW	135.9	102.1	4th "	60.2	31st Mar.	99.3	63.0	81.2	—0.3	
	Rungpore	Rungpore	29.720	29.847	+0.005	E	48.9	99.4	29th Mar., 4th April	55.8	31st "	97.9	64.0	80.9	+3.8	
	Julpigoree	Julpigoree	29.728	29.821	—0.023	Out of order.	134.5	96.9	4th "	65.9	24th "	93.0	62.6	77.8	+2.1	
	Cooch Behar	Julpigoree	29.728	29.821	—0.023	Out of order.	134.5	96.9	4th "	65.9	24th "	93.0	62.6	77.8	+2.1	
	Darjeeling Hill Tracts	Darjeeling	22.953	—	—	WSW	195.1	86.5	4th "	47.4	29th "	63.3	48.1	55.6	+1.2	
	Purneah	Purneah	29.703	29.831	+0.001	WNW	135.0	101.3	4th "	55.5	3rd April	96.5	61.4	80.1	—1.2	
	North Bhagulpore	Purneah	29.703	29.831	+0.001	WNW	135.0	101.3	4th "	55.5	3rd April	96.5	61.4	80.1	—1.2	
	Mozufferpore	Mozufferpore	29.658	29.825	—0.004	WSW	161.3	99.9	4th April	?	F	97.9	?	?	?	
	Durbhunga	Durbhunga	29.593	29.825	+0.012	WSW	152.3	99.2	4th "	67.9	31st Mar.	97.9	61.0	79.4	+0.2	
SOUTH BENGAL.	Chumdarun	Motihari	29.631	29.827	+0.010	W & WSW	187.2	98.3	31st Mar.	61.9	30, 3 April	96.7	64.3	80.5	+1.0	
	Chupra	Chupra	29.522	29.850	+0.038	SSW	195.3	101.6	1st April	65.0	1st "	100.2	72.6	88.4	+1.3	
	Shahabad	Dubree	29.622	29.868	+0.039	W	154.1	99.9	4th "	65.4	3rd "	97.7	68.7	83.2	—0.7	
	Gya	Gya	29.636	29.844	+0.021	W	321.3	101.3	4th "	65.5	3rd "	99.9	67.9	85.4	—0.7	
	Pains	Bankipore	29.660	29.845	+0.015	W	102.6	103.0	4th April	68.0	3rd "	100.6	78.4	83.2	+0.7	
	South Bhagulpore	Bhagulpore	29.661	29.825	+0.004	Calm	99.7	102.8	4th "	67.0	2nd "	100.8	69.6	85.3	+2.4	
	Monghyr	Bhagulpore	29.661	29.825	+0.004	Calm	99.7	102.8	4th "	67.0	2nd "	100.8	69.6	85.3	+2.4	
	Sonthal Pergunnahs	Doomka	29.546	29.846	+0.023	Variable	107.6	101.9	4th "	68.6	3rd "	101.1	71.1	80.1	+0.7	
	Hazaribagh	Hazaribagh	27.867	29.868	+0.019	W	249.5	97.5	29th Mar.	69.3	1st "	96.9	70.7	83.4	+0.5	
	Lohardugga	Ranchee	27.751	29.862	+0.025	NW	145.4	97.0	31st "	66.4	1st "	95.8	69.3	82.6	+0.5	
CHITTA NAGPUR.	Manbhoom	Ranchee	27.751	29.862	+0.025	NW	145.4	97.0	31st "	66.4	1st "	95.8	69.3	82.6	+0.5	
	Sinabhoom	Chyebassa	29.100	29.868	+0.023	W	40.1	104.8	30th "	79.9	2nd "	102.6	73.4	83.0	+0.9	

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the years 1871 to 1890. The humidity of the atmosphere is expressed in percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The mean of the numerical means or average of the rainfall in that district determined from the returns sent in by the subdivisional station for the period in question during the same period. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 4th of April 1890.

					DISTRICT OBSERVATIONS.											
Average humidity at 5 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	OF WEEK.		RAINFALL.									Representative station.	DISTRICT.	
			Mean for district.	Normal mean.	Since 1st of March.			Since 15th May 1889.			Average number of rainy days.	Normal number of rainy days.				
					Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.						
80	7.6	Nil	Nil	0.20	2.03	0.87	+1.78	77.59	57.33	+20.26	0.0	0.06	Poorer	Poorer ...		
87	1.3	Nil	Nil										Gopalpore	False Point		
83	5.9	Nil	Nil													
78	3.9	Nil	Nil	0.15	1.80	1.15	+0.74	68.30	53.94	+14.36	0.0	0.5	Cuttack	Cuttack ...		
84	0	Nil	Nil	0.23	2.46	1.38	+1.08	52.53	55.75	-3.22	0.0	0.5	Balasore	Balasore ...		
83	5.1	Nil	Nil	0.30	1.33	1.39	+0.03	59.97	65.05	-5.08	0.0	0.5	Saugor Island	South-West Midnapore		
60	1.3	Nil	Nil	0.27	1.03	1.69	-0.66	47.42	54.26	-6.84	0.0	0.6	Midnapore	South 24-Pargunnahs		
83	1.0	Nil	Nil	0.48	0.59	1.67	-1.08	54.69	54.58	+0.11	0.0	0.7	Calcutta	Midnapore ...		
70	0.3	Nil	Nil	0.43	0.60	1.59	-0.99	44.40	49.33	-4.94	0.0	0.6	Burdwan	24-Pargunnahs...		
50	0.3	Nil	Nil	0.15	0.89	1.11	-0.22	56.82	54.12	+2.70	0.0	0.4	Bankoora	Howrah		
61	0.7	Nil	Nil	0.16	0.69	0.72	-0.03	53.15	53.32	-0.17	0.0	0.4	Raneegunge	Hooghly		
73	3.1	Nil	Nil	0.25	0.32	1.04	-0.72	51.40	52.18	-0.89	0.0	0.5	Berhampore	West Burdwan		
70	0.9	Nil	Nil	0.58	0.41	2.02	-1.61	52.92	52.20	-0.72	0.0	0.5	Krishnagar	Moorsheadabad		
87	3.7	Nil	Nil	0.26	0.21	2.38	-2.17	54.96	56.71	-1.75	0.0	0.8	Jessore	Nuddea		
86	3.1	Nil	Nil	0.37	2.35	2.13	+0.42	102.99	116.64	-13.74	0.0	0.7	Chittagong	Jessore		
				0.03	4.29	3.09	+1.20	69.80	85.58	-15.68	0.0	0.9	Demagiri	Khoulina		
87	0.0	Nil	Nil	0.52	0.50	2.27	-1.77	78.91	80.33	-1.42	0.0	0.8	Barrisal	Chittagong Hill Tracts		
86	1.0	Nil	Nil	0.87	2.80	4.03	-1.23	93.09	112.19	-18.50	0.0	1.1	Noakholly	Backergunge		
86	1.7	Nil	Nil	0.57	1.39	2.93	-1.54	63.61	59.85	+3.76	0.0	0.5	Furzedpore	Noakholly		
88	0.6	Nil	Nil	0.09	1.75	3.34	-1.59	77.94	64.14	+13.80	0.0	0.9	Dacca	Furzedpore		
81	3.6	Nil	Nil	0.80	1.83	4.39	-2.56	55.44	74.72	-19.28	0.0	1.0	Comilla	Dacca		
89	5.3	Nil	Nil	0.48	2.50	2.40	+0.10	91.28	70.03	+20.65	0.0	0.7	Mymensingh	Tipperah		
74	1.4	Nil	Nil	0.16	0.77	1.18	-0.41	60.29	59.19	+1.10	0.0	0.5	Bogra	Mymensingh		
81	2.7	Nil	Nil	0.43	2.01	1.78	+0.23	57.38	56.18	+1.20	0.0	0.7	Serajunge	Bogra		
67	1.3	Nil	Nil	0.22	0.08	1.13	-1.06	54.43	55.71	-1.28	0.0	0.4	Rampore	Pubna		
45	0	Nil	Nil	0.13	0.11	0.59	-0.48	39.90	53.40	-13.50	0.0	0.4	Maldah	Rajshahye		
47	0.1	Nil	Nil	0.13	0.04	0.69	-0.65	57.53	55.67	-1.86	0.0	0.4	Dinapore	Maldah		
31	0	Nil	Nil	0.41	0.02	1.71	-1.69	85.89	75.97	+9.92	0.0	0.6	Rangpore	Dinapore		
64	0	Nil	Nil	0.53	0.06	2.17	-2.11	117.79	115.81	+1.98	0.0	0.7	Jalpigore	Rangpore		
58	0	Nil	Nil	0.80	0.07	2.54	-2.47	133.23	124.58	+8.65	0.0	1.1	Darjeeling	Jalpigore		
40	0	Nil	Nil	0.09	0.03	0.22	-0.47	75.05	59.70	+15.35	0.0	0.3	Purneah	Cooch Behar		
				0.09	0.07	0.51	-0.44	48.92	44.44	+4.48	0.0	0.3	Moulampur	Darjeeling Hill Tracts		
37	0	Nil	Nil	0.02	0.06	0.32	-0.26	52.17	45.44	+6.73	0.0	0.2	Durbhunga	Purneah		
49	0	Nil	Nil	0.08	0.15	0.44	-0.29	64.11	47.61	+16.50	0.0	0.3	Motihari	North Bhagulpore		
38	0.3	Nil	Nil	0.03	0.17	0.23	-0.06	40.30	43.06	-3.36	0.0	0.2	Chupra	Chumpran		
27	0	Nil	Nil	0.06	0.40	0.43	-0.05	40.40	40.93	-0.44	0.0	0.2	Dehree	Saran		
36	0	Nil	Nil	0.06	0.40	0.43	-0.05	40.40	40.93	-0.44	0.0	0.2	Buxar	Shahabad		
35	0	Nil	Nil	0.06	0.40	0.43	-0.05	40.40	40.93	-0.44	0.0	0.2	Arrah	Shahabad		
				0.08	0.23	0.41	-0.16	37.34	42.45	-5.11	0.0	0.3	Gya	Gya		
44	0.1	Nil	Nil	0.00	0.13	0.34	-0.22	43.62	42.07	+1.55	0.0	0.2	Bankipore	Patna		
28	0	Nil	Nil	0.08	0.06	0.35	-0.29	42.63	44.04	-1.41	0.0	0.2	Bhagulpore	South Bhagulpore		
25	0	Nil	Nil	0.09	0.44	0.59	-0.15	54.59	51.85	+2.74	0.0	0.3	Doomka	Monkhyr		
10	1.0	Nil	Nil	0.03	0.61	0.41	-0.20	43.64	51.86	-8.22	0.0	0.2	Hasaribagh	South Pargunnahs...		
34	0	Nil	Nil	0.07	1.00	0.83	+0.93	46.03	50.08	-4.05	0.0	0.3	Ranchi	Hasaribagh		
				0.00	0.91	0.52	+0.06	39.27	48.08	-8.41	0.0	0.3		Lohardugga		
														Manthoom		
20	0.7	Nil	Nil	0.21	1.08	1.24	-0.16	49.84	53.06	-3.22	0.0	0.3	Chyabass	Singbhoom		

ten years. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. Under the head District observations of rainfall the normal means are the means of the district for the ten years. The means of the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the subdivisions.

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 4th of April 1890.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL		Total rain-fall since 1st of March.	Average total rain-fall from 1st of March.	Total rain-fall since 15th May 1889.	Average rainfall from 15th May to date.
			Saturday, 29th March.	Sunday, 30th March.	Monday, 31st March.	Tuesday, 1st April.	Wednesday, 2nd April.	Thursday, 3rd April.	Friday, 4th April.	Number rainy days.	of rainfall week.				
ORISSA	Pooree	Pooree	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.32	0.61	83.03	52.70
		Khurda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	4.34	0.88	84.01	58.00
		Banpur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	5.13	0.72	70.03	50.71
		False Point	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.52	1.24	77.52	53.33
		Gap	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	?	?
	Cuttack	Salpara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.71	?	?	?
		Pipli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	?	?
		Jagatsingpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.79	0.84	70.10	48.53
		Banki	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	3.40	1.36	66.43	51.20
		Cuttack	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.40	1.31	77.35	58.35
	Balasore	Kendrapara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.38	0.02	72.62	54.87
		Jajpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.09	1.34	58.63	50.04
		Dharmasala	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.85	?	60.10	?
		Salipore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.81	?	73.78	?
		Chandbali	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.67	1.11	53.71	54.23
SOUTH-WEST BENGAL	Midnapore	Bhuddnck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.05	1.57	60.91	54.50
		Sorah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.81	1.73	47.86	53.00
		Balasore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	3.19	1.52	50.00	50.00
		Jellapore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	4.74	1.02	44.48	50.04
		Raripodah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.41	1.29	56.20	53.80
	24-Pargunnah	Contal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.26	1.07	57.55	61.07
		Saugor Island	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.82	1.31	57.67	60.53
		Tumlook	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.90	1.92	50.30	54.54
		Midnapore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.90	1.50	47.16	61.30
		Ghatal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.29	1.63	44.39	47.03
	Diamond Harbour	Kutrahaty	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.93	?	61.77	?
		Garbeta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	4.77	?	51.06	?
		Diamond Harbour	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.90	1.53	64.69	61.77
		Canning Town	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.27	?	58.12	?
		Alipore Jail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.41	1.06	5.23	50.28
	Howrah	Barrackpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.49	1.88	22.61	53.01
		Dum-Dum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.87	1.77	45.80	54.03
		Barasat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.18	1.69	38.80	52.09
		Banerhat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.10	2.23	62.37	57.88
		Howrah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.40	1.84	60.04	54.84
	Hooghly	Mohesra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.43	1.23	55.47	54.02
		Hooghly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.36	1.56	50.19	32.03
		Serampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.58	1.38	38.11	50.79
		Jehannabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.31	1.15	43.92	51.45
		Burdwan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.52	1.53	41.84	46.10
	Burdwan	Culina	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.75	1.73	48.00	50.41
		Burdwan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.51	1.53	43.62	50.45
		Culina	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.04	0.60	56.94	50.90
		Raneegunge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.43	?	54.23	?
		Mankur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.15	1.30	51.90	53.00
	Bankura	Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.94	1.38	58.43	54.14
		Bishnupore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.59	0.66	53.23	53.23
		Malabar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.90	1.13	60.81	50.00
		Khatra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.72	?	45.86	?
		Indas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.61	?	51.01	?
	Bardhaman	Kotalpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.40	?	40.84	?
		Anda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.17	?	61.34	?
		Gangajalghati	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.25	?	50.60	?
		Raspor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.35	?	54.79	?
		Yonamaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.75	0.74	59.65	53.30
	Beerbhoom	Bh. Soory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.69	0.59	47.76	50.70
		Hetampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.40	0.81	46.18	53.15
		Rampore Haul	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.45	?	55.49	?
		Raspor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.47	?	53.37	?
		Murari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.55	1.80	50.85	40.70
	Nudda	Ransghat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.20	1.61	43.16	45.00
		Kishnaghat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.25	2.06	50.11	54.15
		Choodanga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.29	2.54	53.44	51.05
		Meherpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.06	2.12	56.72	57.04
		Koostha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.75	0.75	54.54	50.84
	Khoolna	Satkira	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.05	1.05	55.45	54.76
		Bagirhat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.30	2.32	57.12	58.20
		Khoolna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	?	?
		Nakipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.73	?	?	?
		Rampal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	?	?
	Jessore	Narai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.38	2.60	52.39	49.22
		Jessore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.35	2.71	64.25	58.15
		Jhaidah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.20	2.63	50.04	57.00
		Magoorah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.19	2.67	67.00	52.90
		Bongong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.30	1.87	47.94	51.73
	Moorshedabad	Kandi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.20	1.01	56.58	52.00
		Berhampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.39	1.11	40.48	53.41
		Lalbagh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.05	0.98	47.18	57.41
		Azimganje	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.13	?	53.00	53.00
		Jungipore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.33	0.85	55.34	50.00
	Buckergunge	Lalgola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.04	1.10	59.16	57.00
		Jagunje	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.13	?	43.42	?
		Akhrigunj	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.04	?	43.12	?
		Palkabari	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	?	?	
EAST BENGAL	Chittagong	Cor's Bazar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.12	1.02	125.71	138.22
		Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.06	2.31	79.95	77.99
		Kutubdia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.00	?	114.09	?
		Satkania	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.80	?	65.60	?

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 4th of April 1890—contd.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of March.	Average total rainfall from 1st of March.	Total rainfall since 15th May 1889.	Average rainfall from 15th May to date.	
			Saturday, 29th March.	Sunday, 30th March.	Monday, 31st March.	Tuesday, 1st April.	Wednesday, 2nd April.	Thursday, 3rd April.	Friday, 4th April.	Number of rainy days.	of rainfall week.					
EAST BENGAL	MERCAL.	Gournadi ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.35	?	63.66	?	
		Baughal ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.07	?	55.19	?	
		Noakholly ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	3.09	3.74	105.67	112.46	
		Barisal ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.49	4.30	81.65	112.21	
		Barisal ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.95	?	80.27	?	
		Ramganj ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.59	?	87.25	?	
		Furzedpore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.50	3.11	63.48	58.83	
		Furzedpore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.64	3.22	65.24	60.89	
		Goswami ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.61	2.45	59.06	56.61	
		Dacca ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.16	4.57	79.67	72.60	
		Dacca ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.61	3.35	79.66	62.91	
		Sarainkunge ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.12	3.15	82.36	64.12	
		Manickganj ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.00	2.26	70.76	53.41	
		Joydebpore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.71	?	69.26	?	
		Hill Tipperah ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	3.78	4.80	48.16	67.47	
		Comilla ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.29	4.09	63.26	81.97	
		Chandpore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.10	3.26	67.07	78.94	
		Bahmuni ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.16	5.29	55.28	68.39	
		Ramchandrapore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.65	?	61.47	?	
		Asirganj ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.05	6.70	?	39.69	?	
		Bandkandi ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.66	?	53.73	?	
		Kasba ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.66	?	63.10	?	
		Lakshmi ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.85	?	72.33	?	
		Mymensingh ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	3.01	3.63	73.81	74.61	
		Atia (Tangal) ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.34	1.59	64.65	58.20	
		Mymensingh ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.18	2.58	160.11	77.57	
		Jamipore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.68	1.68	67.09	60.86	
		Nethi Kona ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	4.80	2.57	131.66	75.77	
		Subornachal ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	1	0.13	0.99	?	58.33	?
		Sherepore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.84	?	152.12	?	
		Sherepore Town ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.69	?	88.95	?	
		Debangani ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.18	?	57.26	?	
NORTH BENGAL	MERCAL.	Pubna ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.71	2.99	50.91	56.75	
		Soraganj ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	3.50	1.56	63.81	55.46	
		Bogra ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.63	1.53	62.70	59.85	
		Sheepore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.94	1.22	64.08	59.27	
		Bogra ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.99	1.11	72.32	62.65	
		Panchbibi ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.41	0.90	66.39	57.14	
		Rajshahi ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.98	0.98	46.24	54.63	
		Natore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.13	1.11	55.97	56.82	
		Naogaon ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.28	1.28	67.97	53.14	
		Lalpur ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.03	?	36.75	?	
		Manda ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	43.27	?	
		Maldah ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.21	0.80	50.80	53.04	
		Chanchal ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.37	0.37	28.96	5.74	
		Gajol ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	39.79	?	
		Sibganj ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.54	?	62.11	?	
		Himgore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.18	0.79	53.81	57.73	
		Mohadepore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.44	0.44	51.82	53.46	
		Churaman ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.64	0.64	52.37	58.98	
		Baigunge ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.07	1.07	69.93	64.79	
		Dumagore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.61	0.61	61.29	52.42	
		Haludhat ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	57.81	?	
		Thakurgaon ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	57.81	?	
		Rungpore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	1.71	88.39	63.88	
		Banwanigunge ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.66	1.44	75.04	76.38	
		Rungpore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	2.31	91.67	73.96	
		Kurigram ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	1.93	88.49	81.04	
		Baidya ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	?	?	
		(Nilphama) ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.45	?	80.55	?	
		Ulipore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	2.23	123.45	119.51	
		Jalpigore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	119.52	?	
		Alipore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	128.23	?	
		Fallacotta ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	90.94	?	
		Dahiganj ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	139.22	?	
		Bhagatpore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	?	?	
		(Nagrahat) ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.3	1.76	98.86	95.36	
		Dipha ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.13	0.13	195.02	121.12	
		Cooch Behar ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	1.56	1.56	122.40	10.78	
		Mokilganj ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.13	2.74	118.16	14.83	
		Watabhanga ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	4.96	1.97	102.38	100.77	
		Buxa ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.8	2.27	121.62	105.56	
		Siliguri ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.20	1.93	128.96	111.84	
		Darjeeling ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	92.36	86.63	
		Kalimping ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	170.33	?	
NORTH BENGAL	MERCAL.	Purneah ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.68	0.68	103.67	71.55	
		Arrah ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.67	0.67	79.75	64.88	
		Purneah ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.57	0.57	63.52	62.73	
		Gondwara ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	?	?	
		Bairampore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	?	?	
		Katari ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	?	?	
		Kaliaganj ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	?	?	?	?	
		Maddapore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.19	0.40	60.95	50.31	
		Acopool ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.42	0.42	67.56	48.99	
Durbhanga ..	MERCAL.	Fajpore ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.07	0.24	42.03	43.53	
		Durbhanga ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.13	0.29	50.37	40.58	
		Madhubani ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	0.08	0.43	63.61	45.99	
		Bahera ..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil</					

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 4th of April 1890—concl.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of March.	Average total rainfall from 1st of March.	Total rainfall since 15th May 1889.	Average rainfall from 15th May to date.
			Saturday, 29th March.	Sunday, 30th March.	Monday, 31st March.	Tuesday, 1st April.	Wednesday, 2nd April.	Thursday, 3rd April.	Friday, 4th April.	Number of rainy days.	Rainfall of week.				
NORTH BEHAR—concluded.	Champaran...	Motihari	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.10	0.43	75.32	45.03
		Bettiah	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.12	0.45	82.69	46.04
		Bagaha	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.11	?	79.44	?
		Burhura	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.23	?	51.93	?
SOUTH BEHAR	Sarun	Gopalgunge	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.25	0.16	35.78	44.27
		Chuprah	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.14	0.24	44.43	44.75
	Shahabad	Buxar	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.11	0.31	40.83	41.24
		Dehree	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.30	0.30	47.74	38.28
		Bhabooh	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.20	0.70	43.02	40.97
		Sasseram	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.45	0.58	38.61	43.04
		Arrah	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.27	0.27	39.31	41.45
		Mohania	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.00	0.37	42.82	41.77
	Gya	Aurangabad	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.20	0.38	35.02	43.03
		Gya	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.35	0.37	40.20	43.54
		Nowadah	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.13	0.49	39.72	41.00
		Jehanabad	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.30	0.41	33.77	40.28
		Arwal	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.15	?	31.40	?
		Bandanagar	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	?	?	20.00	?
		Sherrghati	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	?	?	20.29	?
		Raoul	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.02	?	17.94	?
		Pakri Barawan	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	?	?	31.90	?
	Patna	Patna	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.07	0.35	51.53	42.70
		Dumra	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	?	0.22	45.53	42.08
		Rehar	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.19	0.38	41.29	42.20
		Barh	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.20	?	50.03	40.02
	Monghyr	Bichram	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.20	?	41.48	?
		Hilsa	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.38	?	35.04	?
	South Bhagulpore	Begoesal	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.05	0.25	47.75	41.60
		Monohyr	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.31	0.31	41.77	47.40
		Jamui	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.10	0.45	39.88	44.10
		Gogri	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	?	?	51.10	?
	South Bhagulpore	Sheikpura	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	?	?	43.32	?
		Sheikpura	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	?	?	45.08	41.13
		Ba. K.	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.14	0.37	38.48	44.65
		Kalgne	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	?	?	46.97	?
	North Pergunnahs.	Bangaon	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	?	?	?	?
		Rajmahal	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.07	0.56	59.07	55.28
		Godda	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.70	0.43	49.74	45.47
		Pakur	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.24	0.58	73.83	50.25
		Nya Doka	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.33	0.80	57.10	54.81
		Deoghar	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.42	0.62	40.82	51.50
		Jamshed	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.85	0.77	40.06	50.96
		Mohagama	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	?	?	?	?
CHUTIA NAG-PUR.	Hazaribagh	Namhat	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	1.00	?	56.87	?
		Pachamha	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.34	0.68	39.24	48.93
		(Girdi).	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.41	0.74	40.51	48.25
		Hazaribagh	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.74	1.17	36.98	48.00
		Santagurh	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.75	?	48.43	?
		Mahudi Hills	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.40	0.72	43.40	48.03
		Jhoomra Hills	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.67	?	32.03	?
		Barhi	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	1.05	?	47.09	?
	Lehardugga	Chatra	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.79	?	40.05	?
		Karagdeh	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	?	?	?	?
		Kamphar	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	?	?	?	?
		Lehardugga	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	1.40	0.09	48.73	52.70
	Singbhoom	Banahi	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	2.62	1.13	56.23	54.42
		Pelacow	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.06	0.65	35.12	41.22
		Silli	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.40	?	34.20	?
		Bahumat	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.13	?	?	?
	Manbhoom	Hossainabad	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.39	?	41.70	?
		Gurwah	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.68	?	20.45	?
		Chyebassa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	Nil	Nil	1.08	1.54	40.84	55.73
		Chakradhar	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	?	?	?	?
	Singbhoom	Chattalia	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	2.18	?	60.83	?
		Roharagura	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	3.57	?	57.37	?
		Parulia	0.01	0.01	0.01	0.01	0.01	0.01	0.01	Nil	Nil	0.97	1.00	44.49	51.09
		Golindpore	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.80	0.53	34.05	40.45
	Singbhoom	Laghunath	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.41	?	40.32	?
		para.	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	1.50	?	45.82	?
		Jhalda	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.38	?	51.80	?
		Thas	0.10	0.10	0.10	0.10	0.10	0.10	0.10	Nil	Nil	0.80	?	50.42	?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 8th April 1890.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 4TH
OF APRIL 1890.**

DURING the past week very dry weather with fairly high temperature has continued, no rain having fallen at any of the stations in the province. Notwithstanding the absence of rain, temperature, though above the normal for the week, has not been so much in excess as during the previous week, and pressure having been rising slowly but continuously, the large defect, which has been so characteristic a feature for some time, has disappeared, and a slight excess was general in Bengal towards the end of the week. Wind circulation has been almost without change from first to last, south or south-west directions prevailing in the southern districts, westerly in Behar, and easterly or north-easterly in the north-east corner; the last being due to the winds from the Assam valley.

On Saturday, the first day of the week, pressure was about a twentieth of an inch in defect, except in Chutia Nagpur, and temperature from four to six degrees above the normal, the largest excess being 7·8° at Mymensingh. On the following day pressure was slightly in excess in Chutia Nagpur and South Behar, while the defects had diminished elsewhere. The change of pressure on Sunday was from one to two-hundredths of an inch, except in North Bengal and South Behar, where it was from two to three-hundredths. Temperature changed irregularly, but had generally fallen. Similar changes continued during the rest of the week, and from Wednesday, the 2nd of April, pressure was everywhere above the normal by small amounts, while temperature was deficient in Behar, Chutia Nagpur, and part of South-West and North Bengal. On Friday, the last day of the week, pressure was in excess by amounts ranging from 0·05 inch to 0·08 inch, and temperature was below the normal in Orissa and Behar, but was only from one to two degrees above in the other districts.

Pressure—As shown above, has been slowly rising throughout the week, changes being in all cases small except on Friday, when there was a more rapid rise in East and North Bengal. The result of the steady rise is that from being about a twentieth of an inch below, it has become a twentieth of an inch above the normal. The means for the week are very nearly normal, excess being under a hundredth of an inch except in Behar and Chutia Nagpur, where it ranges from two to four-hundredths.

Temperature—Continues in excess during both night and day, but the night temperatures are relatively lower this week, the difference from the normal at the stations given in the table below being generally between one and two degrees. Maximum temperatures are more irregular, for at Calcutta, Dacca, Purneah, and Darjeeling, mean excess is from 3° to 4° above the normal, but at Cuttack, Burdwan, Patna, and Hazaribagh it is 2° or under. The means for the large divisions of the province are nearly normal in Orissa and Behar, 1° above in Chutia Nagpur, 1·5° in North Bengal, and nearly 3° in South-West and East Bengal.

The actual temperatures during the week, the range from day to night, and their variation from the normals, are seen in the following table, where the average maximum, minimum and mean temperatures at nine typical stations in different districts in the province are given together with their normal values:—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 4th April 1890.

	Normal mean maximum temperature for the week ending 4th April.	Actual mean maximum temperature for the week ending 4th April 1890.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 4th April.	Actual mean minimum temperature for the week ending 4th April 1890.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 4th April.	Actual mean daily temperature for the week ending 4th April 1890.	Variation of actual mean from the normal.
Cuttack	100·0	102·4	+1·5	76·4	78·0	+1·6	88·6	90·2	+1·6
Calcutta	98·3	98·3	+3·8	74·4	75·7	+1·3	84·4	87·1	+2·7
Dacca	98·0	97·0	+3·7	74·2	75·3	+1·1	83·6	86·2	+2·6
Burdwan	99·6	101·6	+2·0	74·5	75·6	+1·1	87·0	88·0	+1·0
Patna	98·7	100·0	+1·3	71·5	78·4	+6·9	85·1	85·2	+0·1
Gya	100·7	?	?	73·0	?	?	86·8	?	?
Purneah	96·5	99·5	+3·0	68·3	61·4	-6·9	83·4	80·4	-3·0
Hazaribagh	95·5	96·0	+0·5	70·4	70·7	+0·3	82·8	83·4	+0·6
Darjeeling	99·8	93·3	-6·5	46·3	48·1	+1·8	53·0	55·8	+2·8

Rainfall.—No rain has been reported.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 4th of April 1890 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.				Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of March.		Since 15th May 1889.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average.		Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.	
Orissa	104.4	72.6	92.4	77.5	85.0	+5.1	Nil	0.20	-0.20	0.0	0.6	-0.6	2.37	1.17	64.52	55.54	
South-West Bengal ...	106.4	69.7	100.4	75.5	87.9	+2.6	Nil	0.40	-0.40	0.0	0.7	-0.7	0.57	1.59	53.38	54.59	
East Bengal	98.0	70.5	92.5	75.3	83.9	+2.7	Nil	0.61	-0.61	0.0	0.9	-0.9	2.00	3.04	78.60	78.35	
North Bengal	103.8	55.8	98.2	66.9	82.6	+1.5	Nil	0.29	-0.29	0.0	0.6	-0.6	0.32	1.35	73.86	72.35	
North Behar	101.3	57.9	98.0	62.2	80.1	0	Nil	0.07	-0.07	0.0	0.3	-0.3	0.10	0.42	58.00	49.64	
South Behar*	103.0	63.4	100.0	71.3	84.9	+0.7	Nil	0.07	-0.07	0.0	0.3	-0.3	0.26	0.44	44.44	44.76	
Chutia Nagpur	97.5	66.4	95.7	70.0	83.0	+1.0	Nil	0.06	-0.06	0.0	0.3	-0.3	1.02	0.86	44.10	51.10	

* Gya and Chyebassas not included.

METEOROLOGICAL OFFICE, BENGAL ;
The 8th April 1890.

C. LITTLE,
For Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 30th March to 5th April 1890.

MONTH.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	TEMPERATURE.						HYGROMETRY.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
Mar. 1890 ...	30th ...	29.809	86.5	98.2	23.4	74.8	90.4	75.1	.663	67.0	46	Nil.
" " ...	31st ...	.877	88.5	99.2	21.4	77.8	89.6	79.8	.886	75.6	64	.....
April " ...	1st ...	.854	87.6	99.0	22.8	76.2	89.6	79.5	.873	75.1	63	.....
" " ...	2nd ...	.868	87.9	99.0	22.2	76.8	88.8	80.0	.906	76.2	67	.....
" " ...	3rd ...	.884	85.9	96.0	20.2	75.8	88.6	80.5	.933	77.1	69	.....
" " ...	4th ...	.919	85.3	94.8	19.0	75.8	87.6	79.7	.903	76.3	69	.....
" " ...	5th ...	.917	85.3	94.2	17.4	76.8	86.4	80.2	.948	77.6	75	.....

The mean 10 A.M. pressure of the seven days Inches.
29.875

The mean temperature of the seven days 86.7

The extreme variation of temperature 24.4

The maximum temperature 99.2

The mean 10 A.M. relative humidity of the seven days %
65

The total fall of rain from 30th March to 5th April 1890 Inches.
Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA ;
The 7th April 1890.

MEMORANDUM.

THE following summary of results has been deduced from the annexed table exhibiting the vital statistics of the principal Municipalities in Bengal for the week ending 22nd March 1890:—

1. The ratios per mille of births stood at 22·8 as opposed to 20·9 during the preceding week ending 15th March, and of deaths at 21·5 against very nearly the same proportion, viz., 21·7. There was thus an improvement in the registration of births only.
2. The following Municipalities registered the highest proportions of births and deaths:—

<i>Births.</i>			<i>Deaths.</i>		
		Ratio per mille.			Ratio per mille.
Arrah	...	56·2	Jessore	...	61·2
Utterpara	...	47·2	Midnapore	...	49·6
Ranaghat	...	41·9	Poori	...	48·3
Comillah	...	38·6	Utterpara	...	47·2
Santipore	...	35·0	Serampore	...	47·1
Poori	...	33·6	Comillah	...	42·4
Rampore Beaulah	...	31·6	Gya	...	41·0
Monghyr	...	30·7	Darjiling	...	37·0
Jessore	...	30·6	Ranaghat	...	29·9

3. The mortality from the registered death-causes was as follows, in comparison with that in the preceding week ending 15th March:—

					Ratio per mille during the weeks ending—	
					22nd March 1890.	15th March 1890.
Cholera	...	...	...	...	2·8	4·2
Small-pox	...	...	...	...	·9	·7
Fever	...	...	...	...	9·9	8·3
Bowel-complaints	...	...	...	...	2·0	2·4
Injury	...	...	...	...	·4	·3
Other causes	...	...	...	...	5·4	5·4

The above figures denote chiefly that there was a noticeable decrease in the death-rate from cholera with an increase in that from fever.

4. Of the abovementioned death-causes, cholera, fever, and the maladies returned under the head "Other causes" proved conspicuously fatal in the following Municipalities:—

<i>Cholera.</i>		<i>Fever.</i>		<i>Other causes.</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Comillah	34·7	Jessore	42·8	Midnapore	20·1
Midnapore	18·6	Gya	31·4	Serampore	17·6
Howrah	7·4	Purneah	27·7	Poori	14·7
Dacca	3·9	Rampore Beaulah	26·3		
Gya	3·4				

The mortality from small-pox in the Poori town, although still high, was below that of the preceding week ending 15th March, viz., 14·7 against 16·8 per 1,000 of population.

5. Under the heads of *Sex*, *Class* and *Age*, the mortality of the week stood as follows:—

<i>According to Sex.</i>		<i>According to Class.</i>		<i>According to Age.</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	23·7	Christians	14·9	Under 1 year	149·5
Females	19·1	Hindus	22·3	1 and under 5 years	25·2
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population	124.	Mahomedans	19·8	5 " 10 "	12·7
				10 " 15 "	10·8
				15 " 20 "	12·8
				20 " 30 "	11·3
				30 " 40 "	13·1
				40 " 50 "	19·5
				50 " 60 "	27·5
				60 years and upwards	60·1

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Sanitary Commissioner for Bengal.

The 7th April 1890.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending 22nd March 1890.

DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.		BIRTHS.				MORTALITY ACCORDING TO—										Sex.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		Males.	Females.	NUMBER OF—	RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male births to every 100 female births.	DEATHS FROM—						RATIO PER 1,000 OF POPULATION PER ANNUM.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
					Total.	Females.		Males.	Total.	Females.	Total.	Cholera.	Small-pox.	Typhoid.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
																						Ratio of deaths per 1,000 of population per annum in the previous week.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Burdwan	Burdwan	18,663	16,017	10	6	16	153	91	244	106	1	7	1	15	31	15	107	15</

[illegible]

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 8th April 1890.

W. H. GREGG, Dip. Publ. Health, Camb.,

Sanitary Commissioner for Bengal.

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 22nd March 1890, on 747 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	152,916	82,550 0 0	5,09,280 0	88,590 0 0	15,430 0 0	1,86,570 0 0	23,059	27,240	50,299
Or per mile of railway ...	205	111 0 0	682 0	119 0 0	† 0 0	254 0 0	.....	.....	.....
For previous 11 weeks of half-year ...	1,729,680	8,53,405 0 0	63,96,500 0	12,52,418 0 0	2,07,441 0 0	*23,13,264 0 0	244,367	330,429	574,796
Total for 12 weeks ...	1,882,596	9,35,955 0 0	69,06,140 0	13,41,008 0 0	2,22,871 0 0	24,99,834 0 0	267,426	357,663	625,091
COMPARISON.									
Total for corresponding week of previous year ...	140,306	69,791 0 0	4,77,594 0	65,698 0 0	15,105 0 0	1,48,594 0 0	21,512	25,715	44,226
Per mile of railway corresponding period of previous year ...	208	104 0 0	710 0	98 0 0	† 0 0	205 0 0	.....	.....	.....
Total to corresponding date of previous year ...	1,780,047	9,45,347 0 0	69,11,290 0	10,44,011 0 0	2,05,548 0 0	21,94,906 0 0	257,652	296,947	554,599

* Audited up to week ending 1st February 1890.

† Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 23RD MARCH 1889.			RECEIPTS FOR WEEK ENDING 22ND MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 23RD MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 22ND MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
573	Rs. 1,48,594	Rs. 221	747	Rs. 1,86,570	Rs. 250	673	Rs. 1,04,57,295	Rs. 804	728	*1,12,71,000	Rs. 304	Rs. 8,33,705	Rs.

* Audited up to week ending 1st February 1890.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 22nd March 1890, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	25,680	10,340 0 0	69,080 0	5,509 0 0	70 0 0	13,510 0 0	3,735	1,937	5,672
Or per mile of railway ...	205	83 0 0	481 0	28 0 0	.....	111 0 0	.....	.....	.....
For previous 11 weeks of half-year ...	305,920	1,07,944 0 0	4,59,590 0	31,640 0 0	733 0 0	*1,40,319 0 0	39,492	20,762	60,254
Total for 12 weeks ...	331,600	1,18,284 0 0	5,19,580 0	35,140 0 0	805 0 0	1,54,229 0 0	43,227	22,699	65,926
COMPARISON.									
Total for corresponding week of previous year ...	30,268	11,081 0 0	60,387 0	4,022 0 0	87 0 0	15,190 0 0	3,751	1,937	5,688
Per mile of railway corresponding period of previous year ...	242	89 0 0	555 0	32 0 0	1 0 0	122 0 0	.....	.....	.....
Total to corresponding date of previous year ...	345,575	1,22,330 0 0	6,63,290 0	34,147 0 0	4,245 0 0	1,60,722 0 0	43,807	22,697	66,504

* Audited up to week ending 1st February 1890.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 23RD MARCH 1889.			RECEIPTS FOR WEEK ENDING 22ND MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 23RD MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 22ND MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
125	Rs. 15,190	Rs. 122	125	Rs. 15,910	Rs. 111	125	Rs. 7,00,877	Rs. 111	125	*7,13,650	Rs. 112	Rs. 6,863	Rs.

* Audited up to week ending 1st February 1890.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 22nd March 1890, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	10,090	6,500 0 0	18,030 0	1,900 0 0	80 0 0	8,480 0 0	2,480	224	3,704
Or per mile of railway ...	187	76 0 0	217 0	22 0 0	1 0 0	99 0 0	.....	.....	.....
For previous 11 weeks of half-year ...	180,110	68,304 0 0	3,11,710 0	31,023 0 0	2,029 0 0	*1,01,416 0 0	36,215	8,356	34,571
Total for 12 weeks ...	202,200	74,804 0 0	3,30,340 0	32,923 0 0	2,109 0 0	1,03,505 0 0	38,693	8,580	37,273
COMPARISON.									
Total for corresponding period of previous year ...	14,390	4,664 0 0	18,302 0	1,922 0 0	-67 0 0	5,619 0 0	2,450	696	3,146
Per mile of railway corresponding period of previous year ...	167	54 0 0	213 0	22 0 0	-1 0 0	65 0 0	.....	.....	.....
Total to corresponding date of previous year ...	185,806	58,997 0 0	1,48,371 0	13,563 0 0	1,807 0 0	73,556 0 0	29,119	7,864	36,983

* Audited up to week ending 1st February 1890.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 23RD MARCH 1890.			RECEIPTS FOR WEEK ENDING 22ND MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 23RD MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 22ND MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	5,619	65	86	5,480	69	86	2,97,030	68	86	*3,95,154	90	98,124	.....

* Audited up to week ending 1st February 1889.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 29th March 1890, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,100	1,214 0 0	12,020 0	644 0 0	20 0 0	1,878 0 0	500	254	754
Or per mile of railway ...	114	44 0 0	441 0	24 0 0	1 0 0	69 0 0	.....	.....	.....
For previous 11 weeks of half-year ...	30,160	13,995 0 0	1,66,873 0	10,419 0 0	477 0 0	34,894 0 0	5,890	6,343	12,233
Total for 12 weeks ...	42,278	15,212 0 0	1,78,893 0	11,063 0 0	497 0 0	26,772 0 0	6,380	6,597	12,977
COMPARISON.									
Total for corresponding week of previous year ...	3,679	1,432 0 0	9,070 0	632 0 0	13 0 0	2,077 0 0	500	254	754
Per mile of railway corresponding week of previous year ...	135	53 0 0	333 0	23 0 0	.....	76 0 0	.....	.....	.....
Total to corresponding date of previous year ...	45,100	17,070 0 0	1,69,930 0	9,914 0 0	1,010 0 0	28,000 0 0	6,471	6,567	13,038

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 30TH MARCH 1890.			RECEIPTS FOR WEEK ENDING 29TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 30TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 29TH MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	2,077	76	27½	1,878	69	27½	1,03,241	70	27½	1,02,782	75	.....	450

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 29th March 1890, on 273 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	53,041	12,421 0 0	2,06,054 0	29,389 0 0	2,793 0 0	51,603 0 0	5,416	7,631	13,047
Or per mile of railway ...	194	71 0 0	975 0	108 0 0	3 0 0	182 0 0*	.....	.....	.....
For previous 11 weeks of half-year ...	563,017	2,38,047 0 0	31,44,503 0	3,55,836 0 0	33,000 0 0	6,31,072 0 0	64,503	113,708	178,211
Total for 12 weeks ...	615,058	2,57,468 0 0	34,10,557 0	3,85,215 0 0	40,892 0 0	6,83,975 0 0	69,919	121,339	191,258
COMPARISON.									
Total for corresponding week of previous year ...	51,074	18,662 0 0	1,40,366 0	12,551 0 0	2,047 0 0	34,160 0 0	4,707	5,244	9,951
Per mile of railway corresponding week of previous year ...	187	68 0 0	514 0	46 0 0	1 0 0	115 0 0*	.....	.....	.....
Total to corresponding date of previous year ...	532,684	2,03,926 0 0	17,19,060 0	1,62,781 0 0	30,925 0 0	4,06,332 0 0	71,416	70,545	141,961

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 30TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 29TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 30TH MARCH 1889.		TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 29TH MARCH 1890.		Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Per mile worked per week.	Mean mileage worked.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
273	34,160	125	273	51,603	189	265'96	16,55,835	273	21,75,917	139	5,18,082

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 22nd March 1890	...	...	7,487
Corresponding period of 1889	...	...	9,048
Decrease	...	...	1,561
Receipts per mile for week ending 22nd March 1890	...	...	Rs. A. P. 146 12 10
Corresponding period of 1889	...	...	177 6 10
Decrease	...	...	30 10 0
Receipts from 1st January to 22nd March 1890	...	...	95,667
Corresponding period of 1889	...	...	96,207
Decrease	...	...	540



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, APRIL 16, 1890.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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DISTRICT ROAD FUND.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

Road Cess.

No. 1469 R.C.

Calcutta, the 11th April 1890.

READ—

Letter from the Accountant-General, Bengal, No. ^{L.F.}₇₄₄, dated the 29th March 1890, submitting an abstract of receipts and expenditure of the several District Road Committees in Bengal, for the quarter ending 31st December 1889.

RESOLUTION.—The Lieutenant-Governor directs that the accounts of the receipts and expenditure of the several District Road Committees for the 3rd quarter of the year 1889-90 be published in the *Calcutta Gazette* and circulated to the officers concerned.

ORDER.—Ordered that a copy of this Resolution, together with a copy of the abstract of receipts and expenditure, be published in the Supplement to the *Calcutta Gazette*.

Ordered also that a copy of this Resolution, and of the abstract referred to, be forwarded to the Commissioners of the Rajshahye, Bhagulpore, Chittagong and Chota Nagpore Divisions, to the Superintending Engineers of the Eastern and Western Circles, and to the Financial Department of this Government, for information.

By order of the Lieutenant-Governor of Bengal,

W. B. BESTIC,

*Under-Secy. to the Govt. of Bengal,
P. W. Dept.*

DISTRICT

Statement of Receipts and Expenditure of the several District Road

RECE

DISTRICTS.	Balance in treasury on 1st October 1889.	PROVINCIAL RATES.					Int-rest on arrears of road cess.	PUBLIC WORKS.			IRRI- GATION.	MISCEL.	
		Cess on lands.	Cess on mines.	One per cent. road cess.	Cess on houses.	Total.		Road tolls.	Ferry tolls.	Total.		Canal tolls.	Rent of serais and staging- bungalows.	Fees, fines and forfeitures.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.	Rs. A. P.
CESS DISTRICTS.													
Darjeeling	4,883 0 10	1,312 2 3	16 15 6	.....	.....	1,329 1 9	.....	.....	.....	.....	.....	68 8 0	2,526 11 0
Hazaribagh	12,629 9 2	10,466 4 5	2,219 3 3	.....	.....	12,685 7 8	19 3 8	.....	.....	.....	.....	6 0 0	363 8 0
Lohardugga	7,358 7 7	14,901 15 11	.....	.....	.....	14,901 15 11	12 8 3	.....	.....	.....	.....	572 7 6	.....
Manbhoom	6,816 4 1	6,346 12 7	1,724 0 8	.....	.....	8,070 13 3	50 9 9	.....	.....	.....	.....	.....	.....
Total	31,587 5 8	33,027 3 2	3,960 3 5	.....	.....	36,987 6 7	82 7 8	.....	.....	.....	.....	646 15 6	2,890 3 0
NON-CESS DISTRICTS.													
Chittagong Hill Tracts	4,887 13 9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	166 12 0	1 0 0
Southal Pergunnahs	33,195 15 4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 8 0	.....
Singbhoom	10,639 13 2	2,481 0 0	2 0 6	.....	.....	2,483 0 6	.....	.....	.....	.....	.....	.....	.....
Total	48,723 10 5	2,481 0 0	2 0 6	.....	.....	2,483 0 6	.....	.....	.....	.....	.....	179 4 0	1 0 0
GRAND TOTAL	80,311 0 1	35,508 3 2	3,962 3 11	.....	.....	39,470 7 1	82 7 8	.....	.....	.....	.....	825 3 6	2,890 3 0

EXPEN

DISTRICTS.	REFUNDS.			PROVINCIAL RATES.	ADMINISTRATION.			STATIONERY.	PUBLIC WORKS.				
	Cess.	Other receipts.	Total.		Establishment and contingencies of office of collection.	Establishment and contingencies of Committee's office.	Percentage cost of establishment for office of account and control.		Stationery and printing.	Original works.	Repairs.	Establishment.	Tools and plant.
	Rs.	Rs.	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Cess Districts.													
Darjeeling	.....	.....	.....	202 9 0	212 8 0	263 1 10	475 9 10	9 4 3	294 13 6	521 2 0	616 0 0	.....	.....
Hazaribagh	.....	.....	.....	1,563 9 7	228 3 5	482 3 8	705 7 1	10 8 0	20 0 0	8,200 13 5	1,277 6 0	.....	.....
Lohardugga	.....	.....	.....	1,709 13 3	77 15 8	752 7 8	830 7 3	68 7 0	129 0 0	2,395 8 0	1,330 9 8	2 8 0	.....
Manbhoom	.....	.....	.....	180 3 5	282 9 9	427 14 2	710 6 11	12 15 1	.....	5,118 8 8	1,295 0 0	.....	.....
Total	.....	.....	.....	3,635 3 7	796 4 10	1,925 10 1	2,721 14 11	97 2 4	443 13 6	16,536 0 1	5,618 15 8	2 8 0	.....
Non-cess Districts.													
Chittagong Hill Tracts	.....	.....	.....	.....	.....	.....	.....	30 1 0	.....	875 10 5	1,337 0 0	.....	.....
Southal Pergunnahs	.....	.....	.....	.....	167 0 0	.....	167 0 0	59 1 3	.....	4,840 9 7	1,114 2 0	2,306 4 0	.....
Singbhoom	.....	.....	.....	.....	78 4 6	.....	78 4 6	.....	80 9 0	1,565 13 5	492 8 0	12 14 0	.....
Total	.....	.....	.....	.....	245 4 6	.....	245 4 6	89 2 3	80 9 0	7,304 1 5	2,944 4 0	2,412 3 0	.....
GRAND TOTAL	.....	.....	.....	3,635 3 7	1,041 9 4	1,925 10 1	2,967 3 7	186 4 7	524 6 6	23,840 1 6	7,963 3 8	2,414 10 0	.....

FORT WILLIAM,

The 18th March 1890.

ROAD FUND.

Committees for the Third Quarter of the Year 1889-90, ending 31st December 1889.

IPTS.

LANEWAYS.		Grant from Government.	SUSPENSE ACCOUNT.			Total receipts.	Balance of imprest in hands of Engineers and others, decreased.	Balance of uncashed cheques, increased.	Total receipts, including balance.	Outlay.	Balance in treasury on 31st December 1889.
Miscellaneous.	Total.		Advance.	Deposit.	Total.						
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
24 4 6	24 4 6	696 15 7	490 0 0	.....	490 0 0	2,400 5 10	.....	.....	7,343 6 8	5,135 5 8	2,208 1 6
3 4 0	2,598 7 9	475 0 9	2,062 14 8	.....	2,062 14 8	17,781 3 6	.....	.....	30,410 12 8	18,258 1 8	12,152 11 0
1 2 6	369 10 6	.....	375 8 0	256 0 0	630 8 0	15,914 10 8	.....	.....	23,173 2 3	7,925 10 4	15,247 7 11
3,000 0 0	3,572 7 6	.....	167 9 1	.....	167 9 1	11,801 7 7	6 3 7	.....	18,683 15 3	7,698 11 1	10,985 4 2
3,028 11 0	6,564 13 6	1,162 0 4	2,963 15 6	256 0 0	3,229 15 6	48,017 11 7	6 3 7	.....	79,611 4 10	34,017 12 9	45,593 8 1
7 14 0	7 14 0	1,900 0 0	1,427 3 9	.....	1,427 3 9	3,524 13 9	.....	281 4 9	4,895 11 9	2,242 11 5	2,653 0 4
29 14 0	197 10 0	.....	22 0 0	.....	22 0 0	2,756 8 9	.....	.....	37,603 2 0	10,450 14 4	26,552 3 8
233 0 3	245 8 3	.....	.....	.....	.....	.....	.....	.....	18,320 5 11	2,281 2 5	11,109 3 6
270 12 3	451 0 3	1,900 0 0	1,449 3 9	.....	1,449 3 9	6,283 4 6	.....	281 4 9	55,289 3 8	14,974 12 2	40,314 7 6
3,297 7 3	7,015 13 9	3,062 0 4	4,415 3 3	256 0 0	4,670 3 3	54,391 0 1	6 3 7	282 4 9	1,34,909 8 6	48,992 8 11	85,907 15 7

DITURE.

WORKS.		IRRIGATION.	MISCELLANEOUS.			SUSPENSE ACCOUNT.	Total expenditure.	Balance of imprest in hands of Engineers and others, increased.	Balance of uncashed cheques, decreased.	Total outlay.
Establishment of Divisional Superintendents of Works.	Total.		Canal toll establishment and contingencies.	Staging-bungalow establishment and contingencies.	Staging-bungalow, petty construction and repairs.	Miscellaneous.				
Rs.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
.....	1,431 15 6	.....	.....	.....	.....	.....	2,763 8 11	.....	.....	252 6 2
.....	9,498 3 5	.....	27 0 0	.....	27 0 0	.....	556 14 4	106 0 0	662 14 4	12,486 10 5
.....	4,637 9 8	.....	61 8 0	11 5 9	34 4 0	107 1 9	300 0 0	55 0 0	355 0 0	7,744 2 1
.....	6,413 8 8	.....	25 9 0	.....	53 9 0	.....	126 0 0	290 0 0	326 0 0	7,698 11 1
.....	22,001 5 3	.....	144 1 0	11 5 9	34 4 0	189 10 9	3,746 7 3	361 0 0	4,107 7 3	32,802 12 1
.....	2,312 10 3	.....	.....	.....	.....	.....	.....	.....	.....	2,242 11 5
.....	8,576 9 7	.....	129 11 0	18 8 6	.....	148 3 6	1,700 0 0	.....	1,700 0 0	10,450 14 4
.....	2,151 12 5	.....	45 5 3	.....	5 12 3	51 1 6	.....	.....	.....	2,281 2 5
.....	12,741 0 5	.....	175 6 3	18 8 6	5 12 3	199 5 0	1,700 0 0	.....	1,700 0 0	14,974 12 2
.....	34,742 5 8	.....	319 1 3	29 14 3	40 0 0	388 15 9	5,446 7 3	361 0 0	5,807 7 3	47,777 8 3
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,215 0 8
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	48,992 8 11

E. T. ATKINSON,

Accountant-General, Bengal.

CONTRIBUTIONS FROM BABUS RAMESSUR PERSAD NARAIN SINGH
OF MAKSUDPORE AND BAIJNATH SINGH OF GYA TOWARDS
THE LADY DUFFERIN FUND.

No. $\frac{1}{4}$ 2, dated Calcutta, the 10th April 1890.

From—P. C. LYON, Esq., Offg. Under-Secy. to the Govt. of Bengal, Judicial,
Political and Appointment Departments,
To—The Commissioner of the Patna Division.

I AM directed to acknowledge the receipt of your letter No. 149G, dated the 15th March 1890, in which you report that Babus Ramessur Persad Narain Singh of Maksudpore and Baijnath Singh of Gya have contributed Rs. 15,000 and Rs. 12,000, respectively, towards the Gya Branch of the Lady Dufferin Fund.

2. In reply, I am to request that you will be so good as to convey to these gentlemen an expression of the Lieutenant-Governor's appreciation of their public spirit and liberality. The correspondence will be published in the *Calcutta Gazette*.

No. 149G, dated Bankipore, the 15th March 1890.

From—JOHN BOXWELL, Esq., Offg. Commissioner of the Patna Division,
To—The Secretary to the Government of Bengal, Medical and Municipal Departments.

IN continuation of my letter No. 21G, dated 9th January 1890, I have the honour to report, for the information of Government, that Babus Ramessur Persad Narain Singh of Maksudpore and Baijnath Singh of Gya have respectively contributed Rs. 15,000 and Rs. 12,000 towards the Gya Branch of Lady Dufferin Fund. I beg to recommend that their liberal donations may be suitably acknowledged by Government.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 12th April 1890.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
<i>Western Districts.</i>			
BURDWAN DIVN.	1 Burdwan April 12, '90	Nil	Weather—hot and seasonable. Want of rain felt in the Culna and Cutwa subdivisions. Prices of common rice—
	Cutwa ...	0.39	
	Ranigunge ...	0.03	
			Srs. Sudder ... 15½ Culna ... 14 Cutwa ... 16 Ranigunge ... 18 } per rupee.
	2 Bankura .. 12, '90	Nil	Weather—very hot. Rain wanted everywhere for preparation of fields for rice sowing. Cotton, <i>khusta til</i> , indigo, and <i>mung</i> are on the ground, some of them being irrigated where practicable. Transplantation of sugarcane commenced. Common rice 20 seers per rupee at Sudder and 19 seers at Bishenpore.
BURDWAN DIVN.	3 Birbhum .. 12, '90	Nil	No crop to report on. Prices of common rice 17 to 20 seers per rupee.
	4 Midnapur .. 12, '90	0.57	Rain of 5th very partial; none reported from subdivisions. Land in the Sudder subdivision being ploughed. Rice has risen slightly in price—
			Srs. Sudder ... 19 Tamluk ... 16 } per rupee.
	5 Hooghly .. 12, '90	Nil	Weather—growing warm at night. Wind from the east. No crops at present on the ground. Prices of common rice—
			Srs. Sudder ... 13 Serampore ... 16 Jehanabad ... 16 } per rupee.
PRESIDENCY DIVN.	Howrah .. 12, '90	Nil	Weather—very hot. <i>Boro</i> paddy much injured by want of rain, which still holds off.
	6 24-Perghs. April 15, '90	Nil	Weather—very hot and dry. <i>Boro</i> suffering from want of rain. Planting of sugarcane continues. Price of common rice 15 seers per rupee.
	7 Nuddea .. 12, '90	0.12	Weather—hot. There was a storm on the 5th. It was heaviest at Koochtea, where there was hail. Harvesting of <i>rubbi</i> crops finished. The rain has done much good. Sowing of early rice has begun.
	Koochtea ...	0.92	
	Meherpur ...	0.35	
PRESIDENCY DIVN.	Chooadanga ...	0.61	
	Ranaghat ...	0.43	
	8 Khoolna .. 12, '90	Nil	Weather—hot with strong wind. <i>Boro</i> being harvested with good outturn. Want of rain causing much anxiety.
	9 Jessore .. 12, '90	0.32	Weather—hot with strong south wind. The rainfall of the week has been beneficial to the cultivation of lands for <i>aus</i> and jute, but more rain is badly wanted.
	Jhenidah ...	0.10	
RAJSHAHY DIVN.	Magura ...	2.93	
	10 Moorshedabad .. 12, '90	Nil	Weather—hot. Lands are being prepared for <i>bhadoi</i> sowings. Rain needed.
	11 Dinagepur .. 12, '90	1.10	Weather—changeable. West winds have begun again. Jute and <i>bhadoi</i> being sown and sugarcane being planted. Prospects good.
	12 Rajshahye .. 12, '90	Nil	Weather—cloudy in the morning; hot. Harvesting of <i>rubbi</i> crops almost over.
	Nattore ...	0.23	Rain badly wanted for ploughing.
RAJSHAHY DIVN.	13 Rangpur .. 12, '90	Nil	Weather—unsettled; sultry with high winds. All crops suffering from want of rain.
	Nilphamari ...	0.11	
	14 Bogra .. 12, '90	0.04	Weather—seasonable. <i>Aus</i> rice and jute are being sown. Sugarcane is still being pressed. Prospects satisfactory. Common rice selling at 18 seers per rupee.
	15 Pabna .. 12, '90	0.03	Weather—hot; somewhat unsettled. <i>Aus</i> , <i>amun</i> , and jute being sown in some places. Rain wanted. Mustard crop not quite an average one. Common rice 14 to 15 seers per rupee.
	16 Darjeeling .. 12, '90	1.11	Weather—cloudy; sometimes fair. The little rain has done much good, and more is needed. In the Hills wheat and barley harvested in some places; <i>bhutta</i> and potatoes have come up. In the Terai there is an apprehension of a loss of the <i>bhadoi</i> crops unless timely showers come.
RAJSHAHY DIVN.	17 Julpigoree .. 12, '90	0.99	Days hot, but nights cool. Condition of tobacco good. Sowing of jute commenced in Patgram. Rain much wanted for preparation of land for <i>bhadoi</i> crops. Prices almost stationary.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.			
Eastern Districts.			
DACCA DIVN.	18 Dacca April 12, '90	1.48	Weather—hot and cloudy at intervals. Cultivation for early rice and jute going on. More rain wanted. <i>Boro</i> paddy being harvested. Common rice 13 to 16 seers per rupee.
	19 Furreedpur „ 12, '90	0.32	Weather—hot and cloudy at intervals. Harvesting of <i>rubbi</i> crops over with an outturn of eight annas on the average. Cutting of <i>boro</i> paddy in progress. Rain wanted for the commencement of agricultural operations. Price of common rice varies from 14 to 15 seers per rupee.
	20 Backergunge „ 12, '90	Nil	Weather—hot and cloudy. Prospects of <i>rubbi</i> crops fair. Common rice selling at 13 seers per rupee.
	21 Mymensingh „ 12, '90	1.57	Weather—hot during day, stormy towards evening, and cool at night. Prospects of crops good. Coarse rice selling at 13½ seers per rupee on the average.
CHITTAGONG DIVN.	22 Chittagong „ 12, '90	0.21	Weather—seasonable. State of chilly crop good. <i>Pania aus</i> being sown. Prices stationary.
	23 Noakholly „ 12, '90	0.06	Weather—warm; cloudy at times; strong southerly wind. Preparation of soil for <i>aus</i> crops progressing. Rain wanted. Common rice is sold at from 14 to 18 seers per rupee at head-quarters.
	24 Tipperah „ 12, '90	0.21	Weather—warm with high winds. Prospects of <i>boro</i> paddy good. <i>Amun, aus</i> , and jute being sown. Rain much needed.
	25 Chittagong Hill Tracts. „ 11, '90	0.23	Weather—very hot throughout the week and cloudy and rainy on the 7th and 8th. <i>Jum</i> cutting still continues. <i>Jum</i> burning is being retarded by rain. Gathering of tobacco and chillies continues. Common rice is being sold at 13 seers 14 chittacks per rupee.
	Hill Tipperah „ 12, '90	Nil	Weather—hot. <i>Jums</i> still being burnt. <i>Boro</i> paddy doing well.
BEHAR.			
PATNA DIVN.	26 Patna „ 12, '90	Nil	Weather—hot and dry. Harvesting of <i>rubbi</i> crops over. Threshing of corn still continues. Sowing of <i>cheena</i> going on. Prices of food-grains almost stationary. Opium weighment going on.
	27 Gya „ 11, '90	Nil	Weather—hot. Threshing of <i>rubbi</i> crops still going on. Opium weighments in progress throughout the district.
	28 Shahabad „ 12, '90	Nil	Weather—hot with strong west winds. <i>Rubbi</i> crops harvested with an average outturn of 12½ annas. Sugarcane and <i>cheena</i> being sown.
	29 Darbhunga „ 12, '90	Nil	Weather—changeable. Paddy, <i>mung</i> and <i>cheena</i> doing well, but rain very much wanted for them. Indigo plants coming on well. Prices have slightly risen.
	30 Mozufferpur „ 12, '90	Nil	Weather—hot; east wind in early part of week, west wind latterly. <i>Rubbi</i> is being threshed. Outturn of linseed estimated at 12 annas.
	31 Saran „ 12, '90	Nil	Weather—dry and hot. Harvesting of <i>rubbi</i> completed; outturn estimated at 16 annas. <i>Cheena</i> is being irrigated and gives good prospect. Opium weighments in full swing.
BHAUGULPORE DIVN.	32 Champaran „ 12, '90	Nil	Mornings still cool; east and west winds blowing alternately. Harvesting of <i>rubbi</i> finished. Indigo, paddy, and <i>cheena</i> growing well. Opium weighment going on: outturn less than was expected.
	33 Monghyr „ 12, '90	Nil	Weather—hot and dry. Threshing of <i>rubbi</i> crops in progress. Outturn estimated to be 14 annas. Indigo coming up well in Beguserai. Prices almost stationary.
	34 Bhagulpur Banka „ 12, '90	Nil 0.32	Weather—hot, windy and dusty. Some rain at Banka on the 9th. Rain still wanted for cultivation of <i>bhadoi</i> . Prospects of <i>mahua</i> not good.
	35 Purneah „ 12, '90	Nil	A little rain here and there on the 8th; westerly wind again on the 12th; nights cool. <i>Rubbi</i> harvesting still going on; outturn fair in some places, not so good in others. Rain would be beneficial to <i>bhadoi</i> crops.
	36 Maldah „ 12, '90	Nil	Weather—very hot with strong east winds. Harvesting of <i>rubbi</i> crops nearly completed. <i>Boro</i> paddy is being watered. Rain is much wanted for <i>boro</i> and for <i>bhadoi</i> sowings. Common rice selling at an average of 16 seers per rupee.
	37 Sonthal Pergahs „ 12, '90	Nil	Weather—very hot; strong west wind. No crops to report about. <i>Mahua</i> much below the average. Mango promises well. Sugarcane doing well. Prices have risen a little. A shower of rain much wanted.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.			
ORISSA DIVN.	38 Cuttack April 12, '90	Nil	Weather—very mild for the time of year. <i>Dalua</i> rice ripening and in some places being cut. Ploughing for <i>beali</i> and <i>sarad</i> rice has commenced. Prospects continue good.
	39 Pooree ...	...	Report not received.
	40 Balasore „ 12, '90	Nil	Weather—cool for the time of year. More rain is much wanted all over the district. 187 coolies employed on relief work.
CHOTA NAGPORE.			
South-West Frontier Agency.			
CHOTA NAGPORE DIVN.	41 Hazaribagh April 12, '90	Nil	Weather—seasonable; days hot. <i>Mahua</i> falling; 12 to 16 annas crop expected everywhere. Mango promises well.
	42 Lohardugga „ 12, '90	Nil	Weather—seasonable. Reaping of <i>rubbi</i> crops nearly completed. Lands being ploughed for early rice. <i>Tewa dhan</i> being sown. Prices steady.
	43 Singbhoom „ 12, '90	Nil	Weather—becoming very hot. Outturn of winter crops very good. Ploughing going on. From Baharagura the <i>mahua</i> and mango crops are unfavourably reported on.
	44 Manbhoom „ 12, '90	Nil	Weather—very hot. Outturn of <i>mahua</i> 12 annas. Rice selling at from 20 to 25 seers per rupee.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 15th April, 1890.

P. NOLAN,
Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

STOCK IN HAND AS COMPILED ON—													
NAMES OF MARKETS.	1st week of April 1889.	1st week of May 1889.	1st week of June 1889.	1st week of July 1889.	1st week of August 1889.	1st week of Sept. 1889.	2nd week of Oct. 1889.	1st week of Nov. 1889.	1st week of Dec. 1889.	1st week of Jan. 1890.	1st week of Feb. 1890.	1st week of Mar. 1890.	1st week of April 1890.
Balaichatta	Mds. 12,67,000	Mds. 12,42,000	Mds. 7,67,500	Mds. 8,73,000	Mds. 7,32,700	Mds. 6,62,000	Mds. 5,00,000	Mds. 4,54,000	Mds. 2,96,500	Mds. 3,00,000	Mds. 5,45,000	Mds. 9,31,100	Mds. 15,22,500
Ooladanga	87,100	82,200	88,000	86,500	75,700	74,400	71,000	67,400	55,400	63,400	85,900	1,02,600	1,11,500
Chitroos, Golabares, Coomartooly, Hatkhola, and Outpy Ghat.	7,64,000	7,54,200	6,96,500	6,85,400	6,97,700	8,76,300	6,74,100	6,32,300	5,86,000	6,00,400	5,06,000	5,83,900	5,91,000
Purburichatta, Posta, and Jarabagan.	3,200	3,000	2,500	2,000	3,000	4,000	5,000	8,000	3,000	4,000	5,000	4,000	3,000
Tallygunge, Chittah, Kidderpore, and Moonsikunge.	1,48,100	1,59,000	1,19,700	1,03,700	1,19,700	72,500	64,500	65,300	68,100	82,700	98,100	1,21,500	1,26,500
21 Minor Bazaars (estimated) ...	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,80,000	2,80,000	2,80,000	2,80,000	2,80,000	2,80,000	2,80,000	2,80,000	2,80,000	2,80,000	2,80,000	2,80,000	2,80,000
Bidrabhatti, N-wabgunge, Hindgessy, and Chandernagore.	19,722	20,000	19,923	19,908	18,117	14,955	14,382	13,410	14,080	25,425	19,504	33,409	31,225
Total	27,79,192	27,80,465	21,84,123	22,00,508	21,30,917	18,93,465	18,25,382	17,31,310	15,13,080	15,65,975	18,45,505	22,66,363	28,77,576
On Railway premises on both sides of the river.	25,414 (on 4th April 1889.)	12,406 (on 4th May 1889.)	6,578 (on 3rd June 1889.)	7,730 (on 3rd July 1889.)	4,179 (on 3rd Aug. 1889.)	9,006 (on 3rd Sept. 1889.)	8,508 (on 3rd Oct. 1889.)	14,011 (on 3rd Nov. 1889.)	9,277 (on 3rd Dec. 1889.)	92,007 (on 3rd Jan. 1890.)	93,035 (on 3rd Feb. 1890.)	47,988 (on 3rd Mar. 1890.)	24,996 (on 3rd Apr. 1890.)
On boats on— (By Port Commissioners' returns.)	25,449 (1st to 3rd April 1889.)	17,003 (1st to 3rd May 1889.)	16,000 (1st to 3rd June 1889.)	25,019 (1st to 3rd July 1889.)	1,34,224 (1st to 3rd Aug. 1889.)	25,339 (1st to 3rd Sept. 1889.)	17,892 (3rd to 7th Oct. 1889.)	21,324 (1st to 3rd Nov. 1889.)	29,059 (1st to 3rd Dec. 1889.)	61,441 (2nd to 4th Jan. 1890.)	65,793 (1st to 3rd Feb. 1890.)	50,539 (1st to 3rd Mar. 1890.)	57,745 (1st to 3rd Apr. 1890.)
On boats returned— (By 'hans' returns.)	38,718 (1st to 3rd April 1889.)	8,672 (1st to 3rd May 1889.)	15,297 (1st to 3rd June 1889.)	27,106 (1st to 3rd July 1889.)	29,345 (1st to 3rd Aug. 1889.)	19,381 (1st to 3rd Sept. 1889.)	46,922 (6th to 7th Oct. 1889.)	14,718 (1st to 3rd Nov. 1889.)	5,825 (1st to 3rd Dec. 1889.)	1,31,815 (2nd to 4th Jan. 1890.)	2,42,044 (1st to 3rd Feb. 1890.)	1,34,547 (1st to 3rd Mar. 1890.)	55,619 (1st to 3rd Apr. 1890.)
Grand total of Stocks	28,02,708	27,80,897	22,25,604	22,20,538	22,00,673	19,46,282	18,07,914	17,81,363	15,40,548	17,00,498	21,81,281	25,06,503	20,06,735
Probable stock available for exportation by sea.	18 lakhs	17½ lakhs	11½ lakhs	12½ lakhs	13½ lakhs	9 lakhs	8½ lakhs	7½ lakhs	6 lakhs	7½ lakhs	11½ lakhs	14½ lakhs	10½ lakhs

STATISTICAL DEPARTMENT,
The 7th April, 1890.

P. NOLAN,
Secy. to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of March 1890.

	Inches.	Date.	Hour.
The mean pressure of the month ...	29.802		
The average pressure of March from 24 years' registers ...	29.869		
The highest pressure in the month ...	30.065	5th	10
The lowest pressure in the month ...	29.602	25th	16
The range of pressure ...	0.463		
<hr/>			
The total number of hours of bright sunshine during the month	246.3		
The maximum possible number of hours of sunshine	371.3		
<hr/>			
The mean temperature of the month ...	81.1		
The average temperature of March from 24 years' registers	80.6		
The highest temperature in the month ...	100.8	29th.	
The lowest temperature in the month ...	62.8	1st.	
The range of temperature during the month	38.0		
The mean daily range of temperature	20.4		
The greatest range of temperature in one day	25.6	30th.	
<hr/>			
Per cent.			
The mean humidity of the month ...	70		
The average humidity of March from 24 years' registers	66		
<hr/>			
The mean vapour tension of the month ...	0.718		
The average vapour tension of March from 9 years' registers	0.702		
The mean cloud proportion of the month	2.95		
The average cloud proportion of March from 13 years' registers	2.39		
<hr/>			
Inches.			
The total rainfall of the month ...	0.33		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 52 feet above the ground)	0.29		
The average fall of March from 48 years' registers	1.34		
The greatest fall in 24 hours	0.18	9th.	
<hr/>			
Days.			
The number of rainy days in the month	6		
The average number of rainy days in March from 24 years' registers	4		
<hr/>			
°			
The mean maximum equilibrium temperature of solar radiation during the month	146.3		
The mean difference of sun and air temperatures	54.8		
The greatest sun temperature	152.6	29th.	
The greatest excess of sun over air temperature	61.0	10th.	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	66.0		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground	5.4		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	8.8	7th.	
<hr/>			
Miles.			
The mean movement of the wind per day	102.5		
The greatest movement of the wind in one day	202.0	20th.	
The greatest movement of the wind in one hour	16	17th	2 to 3 P.M.
The number of hours with winds from each of the 8 points—			
N. 32, N.E. 18, E. 11, S.E. 19, S. 172, S.W. 274, W. 113, N.W. 51, Calm 54.			

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore .003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 1.0° lower; and finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0.6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

J. H. GILLILAND,

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 14th April 1890.

For Meteorological Reporter to the Govt. of India.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.													
			AIR PRESSURE.			WIND.		TEMPERATURE.								
			Mean barometric height, 8 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean, 8 A.M., temperature.
ORISSA.	Pooree	Pooree	29.903	29.915	—	SW	432.6	87.7	6th, 8, 10	77.6	7th April	86.8	79.4	83.2	—	82.0
	Gopalpore	Gopalpore	29.883	29.905	+0.022	SW	531.0	85.7	5th, 6th	78.8	6, 7, 8, 11	84.9	79.2	83.1	—0.2	81.6
	False Point	False Point	29.897	29.910	+0.013	SW	391.0	88.5	6, 8, 10, 11	77.6	5th April	88.2	78.8	83.5	—0.2	83.2
	Cuttack	Cuttack	29.834	29.916	+0.082	SW	118.3	101.9	11th	77.3	8th	98.5	79.0	88.8	—0.8	83.6
	Balasore	Balasore	29.845	29.903	+0.058	S	288.5	101.5	11th	74.8	5th	94.4	76.7	85.6	—0.7	82.5
SOUTH-WEST BENGAL.	South-West Midnapore	Saugor Island	29.890	29.916	+0.026	SSW	511.0	99.7	9th & 11th April	80.5	7th & 8th April	90.2	80.9	85.6	+0.7	83.6
	South 24-Pergunnahs	Midnapore	29.743	29.895	+0.152	S	169.9	107.4	11th	64.2	6th	99.9	74.8	87.4	+1.6	82.6
	24-Pergunnahs	Calcutta	29.881	29.903	+0.022	SSW	171.0	95.0	5th & 11th April	74.2	8th	92.8	76.7	84.8	—1.5	82.2
	Howrah	Howrah	29.776	29.878	+0.102	S & SW	159.6	106.7	11th	76.4	7th	101.1	77.5	89.8	+1.1	82.0
	Hooghly	Hooghly	29.553	29.856	+0.303	SW & S	134.7	107.5	11th	74.8	6th	102.9	76.6	89.3	+1.0	81.0
	Burdwan	Burdwan	29.546	29.882	+0.336	SSW	90.6	107.5	11th	74.9	6th	101.7	76.7	89.2	+0.4	81.0
	Bankoora	Bankoora	29.804	29.872	+0.068	S	127.3	101.7	11th	73.3	7th	97.9	76.0	88.9	0	80.1
	Beerbhoom	Raneegunge	29.842	29.901	+0.059	SSE & S	121.1	105.5	11th	74.1	7th	98.8	76.3	87.5	+2.3	83.1
	West Burdwan	West Burdwan	29.875	29.909	+0.034	SSE	106.3	97.8	11th	69.5	6th	94.6	75.1	84.9	—1.4	82.4
	Moorshedabad	Berhampore*	29.874	29.905	+0.031	South-easterly	105.3	89.6	11th	70.0	6th	88.3	73.9	81.2	+0.3	80.6
	Nuddea	Krishnagar	29.874	29.905	+0.031	South-easterly	105.3	89.6	11th	70.0	6th	88.3	73.9	81.2	+0.3	80.6
	Jessore	Jessore	29.874	29.905	+0.031	South-easterly	105.3	89.6	11th	70.0	6th	88.3	73.9	81.2	+0.3	80.6
	Khoolna	Khoolna	29.874	29.905	+0.031	South-easterly	105.3	89.6	11th	70.0	6th	88.3	73.9	81.2	+0.3	80.6
	Chittagong	Chittagong	29.874	29.905	+0.031	South-easterly	105.3	89.6	11th	70.0	6th	88.3	73.9	81.2	+0.3	80.6
	Chittagong Hill Tracts	Demagiri	29.874	29.905	+0.031	South-easterly	105.3	89.6	11th	70.0	6th	88.3	73.9	81.2	+0.3	80.6
EAST BENGAL.	Backergunge	Barrisal	29.921	29.933	+0.012	Calm & S	125.9	92.0	6th April	74.9	5 & 7	81.2	76.0	83.8	+0.7	82.1
	Noakholly	Noakholly	29.912	29.956	+0.044	Variable	170.0	90.0	11th	69.3	6th	88.8	75.0	81.4	—1.2	80.8
	Furzedpore	Furzedpore	29.885	29.925	+0.040	S	160.1	93.3	6th	71.4	7th	89.1	74.4	81.7	—2.3	79.3
	Dacca	Dacca	29.904	29.927	+0.023	SE	188.9	94.6	6th	68.2	6th	92.0	73.5	82.8	—1.1	79.4
	Commillah	Commillah	29.909	29.945	+0.036	SE	123.4	94.3	5th & 6th April	68.8	6th	92.6	73.4	82.9	+0.6	80.8
	Mymensingh	Mymensingh	29.873	29.933	+0.060	ESE	119.6	93.2	5th	67.3	6th	89.3	71.8	80.5	+0.2	76.1
	Bogra	Bogra	29.832	29.896	+0.064	ESE	123.3	100.3	6th	69.1	6th	94.8	73.3	84.0	—0.2	78.0
	Pubna	Serajpore	29.856	29.903	+0.047	South-easterly	116.2	94.9	6th	68.7	6th	91.0	72.7	81.8	—2.2	76.9
	Rajshahye	Rampore Beaulah	29.810	29.880	+0.070	South-easterly	117.5	100.3	5th & 6th April	73.2	7th	95.7	76.6	85.7	+1.1	80.6
	Maldah	Maldah	29.805	29.837	+0.032	E	69.5	163.2	6th	68.2	5th	97.5	73.7	85.6	+1.4	81.0
NORTH BENGAL.	Dinapore	Dinapore	29.785	29.905	+0.120	E	129.7	102.1	6th	69.1	7th	94.1	72.0	83.2	+0.4	77.6
	Rungpore	Rungpore	29.805	29.932	+0.127	SE	68.3	99.1	6th	65.8	7th	93.1	70.7	81.8	+2.0	76.3
	Julpigoree	Julpigoree	29.618	29.911	+0.293	Out of order.	95.2	97.0	5th	63.9	8th	90.3	68.6	79.4	+1.4	76.1
	Cooch Behar	Cooch Behar	29.618	29.911	+0.293	Out of order.	95.2	97.0	5th	63.9	8th	90.3	68.6	79.4	+1.4	76.1
	Darjeeling Hill Tracts	Darjeeling	29.035	—	—	SW	142.0	66.1	5th	47.6	6th	61.3	49.8	55.6	+2.5	54.8
	Purneah	Purneah	29.770	29.899	+0.129	ENE	93.7	101.8	6th	64.5	5th	96.0	71.4	83.7	+0.9	78.7
	North Bhagulpore	North Bhagulpore	29.770	29.899	+0.129	ENE	93.7	101.8	6th	64.5	5th	96.0	71.4	83.7	+0.9	78.7
	Mozufferpore	Mozufferpore	29.770	29.899	+0.129	ENE	93.7	101.8	6th	64.5	5th	96.0	71.4	83.7	+0.9	78.7
NORTH BENGAL.	Darbhanga	Darbhanga	29.715	29.885	+0.170	ESE	117.6	99.4	5th April	?	?	96.5	?	?	?	80.1
	Chumprun	Motihari	29.657	29.858	+0.201	ENE & ESE	174.9	160.2	6th	66.8	5th April	97.0	70.4	83.7	+2.6	79.3
	Suran	Chupra	29.656	29.852	+0.196	E	90.4	163.3	11th	61.9	5th	98.4	70.4	84.4	+0.2	81.5
	Shahabad	Dehree	29.519	29.878	+0.359	SW	171.3	166.4	10th	72.0	5 & 7	104.1	76.4	90.3	+3.8	87.1
		Buxar	29.530	29.875	+0.345	N.W.	128.4	161.6	10th	67.8	6th	101.3	74.1	87.7	+2.2	83.6
		Arrah	29.658	29.856	+0.198	N.W.	117.7	167.6	11th	67.7	5th, 6th April	102.4	72.4	87.4	+1.5	81.9
	Gya	Gya	29.496	29.875	+0.379	Westerly	128.0	166.4	10th	76.2	6th	103.5	78.5	91.1	+3.8	88.1
	Patna	Bankipore	29.681	29.867	+0.186	NE	113.8	166.8	10th	66.7	6th	101.9	73.2	87.5	+1.4	81.7
SOUTH BENGAL.	South Bhagulpore	Bhagulpore	29.698	29.862	+0.164	Calm & easterly	60.7	163.8	6th	70.5	5th	95.0	73.5	85.8	+0.5	80.3
	Monghyr	Monghyr	29.698	29.862	+0.164	Calm & easterly	60.7	163.8	6th	70.5	5th	95.0	73.5	85.8	+0.5	80.3
	South 24-Pergunnah	Doomka	29.360	29.858	+0.498	Southerly	154.6	164.9	11th	72.0	5th	100.6	75.5	88.0	+0.5	82.9
	Hazaribagh	Hazaribagh	27.871	29.861	+0.990	Westerly	212.5	160.6	10th	70.5	7th	98.2	73.8	86.0	+2.6	83.0
	Lohardugga	Ranchee	27.760	29.861	+0.681	Calm	130.1	100.1	11th	65.4	7th	98.0	72.5	85.2	+2.3	84.8
CHUTIA NAGPUR.	Manihoom	Manihoom	27.760	29.861	+0.681	Calm	130.1	100.1	11th	65.4	7th	98.0	72.5	85.2	+2.3	84.8
	Singbhoom	Chyebassa	29.115	29.879	+0.764	W	54.9	107.9	11th	73.6	6th	103.5	75.5	89.5	+0.9	83.0

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last 10 years. The humidity of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number are the numerical means or average of the rainfall in that district determined from the returns sent in by the subdivisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 11th of April 1890.

				DISTRICT OBSERVATIONS.													
				RAINFALL.													
				Since 1st of month.			Since 15th May 1889.										
				Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.		DISTRICT.			
73	5.4	Nil	Nil	0.36	Nil	0.45	-0.45	77.59	57.69	+19.90	0.0	0.6	Poorce	Poorce	ORISSA.		
74	4.7	Nil	Nil	0.17	Nil	0.26	-0.26	68.30	54.11	+14.19	0.0	0.5	Gopalpore	Cuttack			
75	0.7	Nil	0.01	0.32	0.01	0.43	-0.42	52.54	56.07	-3.53	0.1	0.6	False Point	Balasore			
76	6.9	Nil	Nil	0.20	Nil	0.24	-0.24	59.97	65.25	-5.28	0.0	0.5		Saukor Island	South-West Midnapore		
77	1.6	0.36	0.19	0.21	0.19	0.28	-0.09	47.61	54.47	-6.86	0.5	0.5		Midnapore	South 24-Pergunnahs		
78	1.7	Nil	0.01	0.28	0.01	0.45	-0.44	54.70	54.86	-0.16	0.1	0.6		Calcutta	Midnapore		
79	2.9	Nil	0.13	0.21	0.13	0.38	-0.25	44.62	49.54	-4.92	0.3	0.5		24-Pergunnahs			
80	2.0	Nil	Nil	0.26	Nil	0.28	-0.28	56.82	54.38	+2.44	0.0	0.5		Howrah			
81	2.7	0.03	0.39	0.16	0.39	0.23	+0.07	53.45	53.48	-0.03	0.5	0.4		Hooghly			
82	3.7	Nil	0.07	0.19	0.07	0.31	-0.24	51.56	52.57	-1.01	0.7	0.4		Burdwan			
83	4.4	0.09	0.49	0.51	0.49	0.73	-0.24	52.51	52.71	-0.20	1.4	0.6		West Burdwan			
84	5.1	0.32	0.42	0.51	0.42	0.68	-0.26	55.38	57.22	-1.84	0.8	0.7		Moorshedabad			
85	2.3	0.20	0.10	0.41	0.10	0.49	-0.39	103.00	117.05	-14.05	0.5	0.7		Krishnaghar			
86	1.7	Nil	0.07	0.50	0.07	0.61	-0.54	78.96	80.83	-1.85	0.3	0.8		Nuddea			
87	0.6	0.06	0.09	1.07	0.09	1.33	-1.23	93.78	113.26	-19.48	1.0	1.4		Jessore			
88	4.3	0.63	0.76	0.59	0.76	0.81	-0.05	64.37	60.44	+3.93	2.0	1.1		Khoolna			
89	7.7	1.11	0.65	0.93	0.65	1.21	-0.56	78.59	65.07	+13.52	1.3	1.3					
90	4.1	0.31	0.45	0.97	0.45	1.34	-0.89	58.89	75.69	-16.80	1.5	1.4		Chittagong			
91	6.6	1.23	1.09	0.52	1.09	0.77	+0.33	92.37	71.15	+21.22	2.0	1.1		Chittagong Hill Tracts			
92	8.5	0.04	0.12	0.27	0.12	0.35	-0.23	66.51	59.46	+7.05	0.5	0.5		Barrisal			
93	7.1	1.06	1.10	0.49	1.10	0.77	+0.33	58.48	56.67	+1.81	2.0	0.7		Noakholly			
94	2.7	0.41	0.20	0.20	0.20	0.32	-0.12	54.63	55.91	-1.28	1.0	0.5		Furzedpore			
95	3.9	Nil	Nil	0.16	Nil	0.20	-0.20	39.99	55.56	-15.56	0.0	0.4		Commillah			
96	5.9	0.85	0.22	0.11	0.22	0.13	+0.09	57.75	58.68	-0.93	0.2	0.3		Tipperah			
97	2.3	Nil	0.54	0.36	0.54	0.61	-0.07	86.43	76.33	+10.10	1.0	0.9		Mymensingh			
98	2.6	1.23	2.76	0.39	2.76	0.72	+2.04	120.55	114.20	+6.35	2.4	0.9		Bogra			
99	6.0	1.11	1.94	0.66	1.94	1.06	+0.88	135.47	125.24	+10.23	2.5	1.5		Serajunge			
100	2.9	Nil	Nil	0.14	Nil	0.21	-0.21	75.05	59.84	+15.21	0.0	0.4		Pubna			
101	0	Nil	Nil	0.04	Nil	0.07	-0.07	48.92	44.48	+4.44	0.0	0.2		Rampore Beaulah			
102	1.7	Nil	Nil	0.05	Nil	0.07	-0.07	52.17	45.49	+6.68	0.0	0.2		Maldah			
103	0.3	Nil	Nil	0.03	Nil	0.04	-0.04	40.39	43.69	-3.30	0.0	0.2		Dinapore			
104	0	Nil	Nil	0.08	Nil	0.10	-0.10	40.49	41.61	-0.32	0.0	0.3		Rungpore			
105	0.4	Nil	Nil	0.07	Nil	0.10	-0.10	37.34	42.52	-5.18	0.0	0.2		Julpigoree			
106	0.6	Nil	Nil	0.03	Nil	0.06	-0.06	43.63	42.10	+1.52	0.0	0.2		Gooch Behar			
107	0.4	Nil	Nil	0.09	Nil	0.12	-0.12	42.53	44.13	-1.60	0.0	0.3		Darjeeling			
108	2.4	Nil	Nil	0.11	Nil	0.14	-0.14	54.59	51.96	+2.63	0.0	0.2		Darjeeling Hill Tracts			
109	0	Nil	Nil	0.07	Nil	0.09	-0.09	43.64	51.93	-8.29	0.0	0.2		Purneah			
110	0.3	Nil	Nil	0.16	Nil	0.18	-0.18	43.03	50.83	-7.80	0.0	0.4		North Bhagulpore			
111	0.9	Nil	Nil	0.13	Nil	0.15	-0.15	39.27	48.81	-9.54	0.0	0.4		Mozufferpore			
112	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Durbhunga			
113	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Motihari			
114	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Chumpanun			
115	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Chupra			
116	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Saran			
117	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Dehree			
118	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Buxar			
119	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Arrah			
120	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Gya			
121	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Bankipore			
122	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Bhagulpore			
123	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		South Bhagulpore			
124	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Monchyr			
125	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Doomka			
126	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Hazaribagh			
127	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Ranchi			
128	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Lohardugga			
129	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Manikpur			
130	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Chyabassa			
131	0.9	Nil	Nil	0.13	Nil	0.16	-0.16	49.84	53.79	-3.95	0.0	0.5		Singbhum			

years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
 The means of the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the subdivisional stations.

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 11th of April 1890.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1889.	Average rainfall from 15th May to date.
			Saturday, 5th April.	Sunday, 6th April.	Monday, 7th April.	Tuesday, 8th April.	Wednesday, 9th April.	Thursday, 10th April.	Friday, 11th April.	Number of rainy days.	of Rainfall week.				
OISSA	Pooree	Pooree	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.16	82.09	52.80
		Khurdah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.17	80.91	58.16
		Banpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.15	70.63	50.80
		False Point	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.30	77.53	67.05
		Gor	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Satpara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
	Cuttack	Pipili	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Jagatsingapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.12	76.19	48.02
		Banki	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.17	86.48	51.68
		Cuttack	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.27	77.58	58.57
		Kendrapara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.23	72.62	55.05
		Jajpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.60	68.63	50.33
	Balasore	Dharmasala	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	60.10	?
		Satipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	73.78	?
		Chanduli	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.45	55.71	54.03
		Bhuddruck	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.73	60.91	55.13
		Sorah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.35	47.86	53.04
		Balasore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.47	50.06	61.11
SOUTH-WEST BENGAL.	Midnapore	Jelaspore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.31	44.48	56.23
		Baripodah	Nil	Nil	Nil	0.05	Nil	Nil	Nil	1	0.05	0.05	0.28	56.25	50.95
	24-Pargunnah	Diamond Harbour	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.20	57.53	63.06
		Sagar Island	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.19	57.67	60.09
		Tumlook	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.20	59.50	54.44
		Midnapore	Nil	0.27	Nil	Nil	Nil	Nil	Nil	1	0.27	0.27	0.22	47.73	51.49
		Ghattal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.35	44.59	45.41
		Kakrahaty	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	69.77	?
	Howrah	Garbetta	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	51.08	?
		Diamond Harbour	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.34	64.69	62.02
		Canning Town	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	58.12	?
		Alipore Jail	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.46	55.28	50.45
		Barrackpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.41	52.61	53.24
		Dum-Dum	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.43	65.80	54.51
	Hooghly	Barasat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.35	58.89	53.19
		Buseerhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.33	62.57	58.10
	Burdwan	Howrah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.71	60.04	55.19
		Mohesra (Ooloberia.)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.31	55.47	54.21
		Serampore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.54	56.19	53.25
		Hooghly	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.47	58.11	51.17
		Jehansabad	Nil	0.07	Nil	Nil	Nil	Nil	Nil	1	0.07	0.07	0.46	43.99	57.89
	Bankura	Culina	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.38	41.84	47.23
		Burdwan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.31	48.00	50.58
		Cutwa	Nil	Nil	Nil	0.30	Nil	Nil	Nil	1	0.30	0.30	0.45	44.01	50.67
		Ranongunge	Nil	Nil	0.03	Nil	Nil	Nil	Nil	1	0.03	0.03	0.19	50.97	51.04
		Manikpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	54.23	?
	Bardhaman	Bankura	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.23	51.00	53.05
		Bishenpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.41	58.43	54.51
		Mahara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.10	55.03	53.03
		Khairi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.26	60.81	56.26
		Indas	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	45.86	?
		Kotalpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	51.01	?
EAST BENGAL	Jessore	Anda	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	47.84	?
		Gangajalghati	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	60.34	?
		Raipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	59.60	?
		Senamukhi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	54.79	?
	Nadua	Bankura	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.19	59.05	55.22
		Bishenpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.21	48.95	50.94
		Mahara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.34	48.18	53.44
		Khairi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	55.72	?
		Indas	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	53.57	?
		Kotalpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
	Khoolna	Anda	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.89	57.06	50.46
		Gangajalghati	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.72	43.27	40.39
		Raipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.61	50.72	54.61
		Senamukhi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.35	53.79	51.46
		Koostha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.62	57.64	58.07
		Satkira	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.67	54.54	50.36
	Jessore	Bagirhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.65	55.48	50.29
		Khoolna	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.48	57.12	54.09
		Nakipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Rampal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
	Mooredabad	Narail	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.58	55.39	49.65
		Jessore	Nil	0.31	0.01	Nil	Nil	Nil	Nil	2	0.32	0.32	0.91	64.57	58.88
		Jhousidah	Nil	0.10	Nil	Nil	Nil	Nil	Nil	1	0.10	0.10	0.77	51.04	57.59
		Magoorah	Nil	0.31	2.10	Nil	Nil	0.52	Nil	3	2.05	2.36	0.74	60.02	53.46
		Bongong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.60	47.04	55.24
		Kandi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.36	50.58	53.14
EAST BENGAL	Chittagong	Berhampore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.35	46.48	53.73
		Lalbagh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.12	47.18	53.07
		Asimgunge	Nil	Nil	Nil	0.04	Nil	Nil	Nil	1	0.04	0.04	0.40	55.44	50.85
		Jungpore	Nil	Nil	Nil	0.10	Nil	Nil	Nil	1	0.10	0.10	0.35	59.36	52.94
		Lakola	Nil	Nil	Nil	0.10	0.30	Nil	Nil	2	0.30	0.30	?	43.42	?
		Jagunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	43.12	?
	Chittagong Hill Tracts.	Akarganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Patkabari	Nil	0.60	Nil	0.30	Nil	Nil	Nil	2	1.60	1.60	?	?	?
		Cor's Bazar	Nil	Nil	Nil	0.21	Nil	Nil	Nil	Nil	Nil	Nil	0.42	125.71	138.74
		Chittagong	Nil	Nil	Nil	0.21	Nil	Nil	Nil	1	0.21	0.21	0.55	80.25	80.19
		Kutubdia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	65.56	?
		Satkanya	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
	Backergunge	Rangamati	Nil	Nil	0.05	0.15	Nil	Nil	Nil	2	0.23	0.23	1.13	65.83	58.94
		Ruma	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.27	51.01	51.01
		Patunakhally	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.39	57.91	51.09
		Parompor	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.42	72.75	73.23
		Burrial	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.02	74.90	73.21
		Mhoia	Nil	Nil	Nil	0.29	Nil	Nil	Nil	1	0.29	0.29	0.59	51.25	53.19

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 11th of April 1890—contd.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1889.	Average rainfall from 15th May to date.
			Saturday, 5th April.	Sunday, 6th April.	Monday, 7th April.	Tuesday, 8th April.	Wednesday, 9th April.	Thursday, 10th April.	Friday, 11th April.	Number of rainy days.	Rainfall week.				
EAST BENGAL—contd.	Noakholly	Gournadi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	82'66	?	
		Bauphal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	93'19	?	
		Noakholly	Nil	0'06	Nil	Nil	0'12	Nil	Nil	1	0'06	0'06	1'35	105'73	113'61
		Fenny	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1	0'12	0'12	1'28	81'77	113'19
	Furreedpore	Harishpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	87'25	?	
		Ramganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	87'25	?	
		Madaripore	Nil	Nil	0'22	0'22	Nil	Nil	Nil	1	0'22	0'22	0'22	63'70	60'25
		Furreedpore	0'07	Nil	Nil	0'47	Nil	Nil	Nil	2	0'54	0'54	0'75	65'78	61'38
	Dacca	Goulundo	0'32	0'09	Nil	Nil	Nil	1'11	Nil	3	1'52	1'52	0'76	60'68	57'24
		Munshigunge	0'22	Nil	Nil	Nil	Nil	Nil	Nil	1	0'22	0'22	1'04	79'89	76'16
		Dacca	1'32	Nil	Nil	Nil	Nil	0'16	Nil	2	1'48	1'48	1'15	80'54	63'71
		Narsingunge	0'22	Nil	Nil	Nil	Nil	Nil	Nil	1	0'22	0'22	1'09	82'48	65'07
	Hill Tipperah	Manickgunj	Nil	Nil	Nil	Nil	Nil	0'68	Nil	1	0'68	0'68	1'06	71'44	54'22
		Joydehpore	0'13	Nil	Nil	Nil	Nil	1'45	Nil	2	1'58	1'58	?	70'84	?
		Agartola	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1'39	45'16	68'38
		Comilla	0'65	0'03	Nil	0'13	Nil	1'30	Nil	3	1'30	1'30	1'09	68'57	80'02
	Tipperah	Chandpore	Nil	0'06	0'20	Nil	0'25	Nil	Nil	2	0'31	0'31	1'43	55'59	60'13
		Brahmunberis	0'06	0'20	Nil	Nil	Nil	Nil	Nil	1	0'20	0'20	?	61'07	?
		Ramchandrapore.	Nil	0'10	Nil	0'40	Nil	Nil	Nil	2	0'50	0'50	?	59'59	?
		Nastrnagar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	53'73	?
	Mymensingh	Daudkandi	Nil	Nil	Nil	0'06	Nil	Nil	Nil	1	0'06	0'06	?	53'16	?
		Kasba	Nil	0'40	Nil	Nil	Nil	Nil	Nil	1	0'40	0'40	?	72'73	?
		Lakshmi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Kishoregunge	Nil	1'21	Nil	Nil	Nil	0'04	Nil	1	0'04	0'04	1'35	73'85	75'35
	Pubna	Atia (Tangail)	0'17	Nil	Nil	Nil	Nil	0'97	Nil	2	2'18	2'18	0'74	66'23	58'80
		Mymensingh	0'17	Nil	Nil	Nil	Nil	1'40	Nil	2	1'57	1'57	0'92	161'68	78'17
		Jamalganj	0'36	Nil	Nil	Nil	0'09	Nil	Nil	2	1'05	1'05	0'54	83'14	67'23
		Netrokona	0'24	Nil	Nil	0'06	0'29	Nil	Nil	3	0'59	0'59	0'29	131'35	76'04
	Bogra	Subornakhali	Nil	Nil	Nil	Nil	0'58	Nil	Nil	1	0'58	0'58	?	68'78	?
		Durgapore	Nil	Nil	Nil	0'40	Nil	Nil	Nil	1	0'40	0'40	?	132'52	?
		Sherepore	Nil	Nil	Nil	1'54	Nil	Nil	Nil	1	1'54	1'54	?	90'40	?
		Dewanaganj	0'29	Nil	Nil	Nil	Nil	1'84	Nil	1	0'29	0'29	?	57'55	?
NORTH BENGAL.	Pubna	Pubna	0'03	0'15	Nil	Nil	Nil	1'25	Nil	1	0'03	0'03	0'78	50'94	57'23
		Seraikunja	0'76	0'15	Nil	Nil	Nil	1'25	Nil	3	2'16	2'16	0'77	65'97	55'42
	Bogra	Sherepore	Nil	Nil	Nil	Nil	Nil	0'43	Nil	1	0'43	0'43	0'18	62'70	59'99
		Nowkhilla	Nil	Nil	Nil	Nil	0'43	Nil	Nil	1	0'43	0'43	0'38	64'51	56'04
		Bogra	Nil	Nil	Nil	Nil	0'04	Nil	Nil	1	0'04	0'04	0'71	72'36	62'90
		Panchbibi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'12	60'39	57'20
	Rajshahye	Beaulash	0'36	0'02	Nil	Nil	Nil	Nil	Nil	2	0'38	0'38	0'44	46'73	54'84
		Natore	0'23	Nil	Nil	Nil	Nil	Nil	Nil	1	0'23	0'23	0'47	59'23	57'22
		Naogaon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'05	57'97	53'16
		Laipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	36'73	?
	Maldah	Monda	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	45'27	?
		Maldah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'20	50'80	53'15
Chanchal		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'20	28'96	57'94	
Gajol		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	39'79	?	
Dinapore	Sibganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	52'11	?	
	Mohadelpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'01	53'81	57'74	
	Churamon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'03	51'82	55'51	
	Raigunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'21	52'37	59'17	
Rangpore	Dinapore	Nil	1'10	Nil	Nil	Nil	Nil	Nil	1	1'10	1'10	0'41	69'43	65'30	
	Ralorchhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'02	61'39	52'44	
	Thakurgaon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	57'81	?	
	Bhawaniganje (Gyabanda)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'63	88'39	44'25	
Jalpigoree	Rangpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'67	75'04	70'89	
	Kurigram	Nil	Nil	Nil	Nil	1'80	0'11	2	1'91	1'91	0'79	93'53	76'37		
	Bagdogra	Nil	Nil	Nil	0'11	0'15	Nil	2	0'26	0'26	0'35	88'75	87'19		
	(Nilphamari)	Nil	Nil	Nil	Nil	Nil	Nil	1	0'20	0'20	?	80'75	?		
Ulipore	Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	
	Jalpigoree	Nil	Nil	Nil	0'06	0'63	2	0'69	0'69	0'69	0'84	124'44	119'92		
	Alipore Doar	Nil	Nil	Nil	2'08	0'39	0'65	3	3'03	3'03	?	123'21	?		
	Falagatta	Nil	Nil	Nil	0'47	0'40	0'34	3	1'21	1'21	?	122'44	?		
Cooch Behar	Debiganj	Nil	Nil	Nil	0'31	0'31	0'31	1	0'31	0'31	?	91'25	?		
	Bhagatpore (Narailkatta)	0'19	0'42	0'25	3	0'86	0'86	3	0'86	0'86	?	140'08	?		
	Dinhat	Nil	0'05	1'61	0'83	3	2'46	2'46	3	2'46	0'37	101'32	98'86		
	Cooch Behar	Nil	3'05	2'00	0'35	3	6'00	6'00	3	6'00	1'48	132'02	122'01		
Darjeeling Hill.	Miekgunge	Nil	1'11	Nil	Nil	1	1'11	1'11	1	1'11	0'30	123'51	107'99		
	Masbhang	0'37	2'40	0'48	0'90	3	3'25	3'25	3	3'25	0'64	121'41	115'02		
	Buza	Nil	2'61	0'86	0'90	3	4'37	4'37	3	4'37	2'13	196'75	188'63		
	Siliguri	0'28	0'45	0'63	3	0'76	0'76	3	0'76	0'76	0'54	121'78	105'70		
North Bhagalpore.	Darjeeling	Nil	0'89	0'22	2	1'11	1'11	1'11	2	1'11	1'53	129'47	112'76		
	Kalimpong	0'47	1'05	1'05	3	1'52	1'52	1'52	3	1'52	0'43	93'57	80'10		
	Kurseong	0'16	0'09	0'05	3	0'30	0'30	0'30	3	0'30	?	170'53	?		
	Kissengunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'13	103'67	71'65	
Purneah	Arraah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'23	79'75	63'05	
	Purneah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'32	63'52	62'88	
	Gondwara	Nil	Nil	Nil	0'02	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	
	Balarampore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	
North Bhagalpore.	Matiari	Nil	Nil	Nil	0'55	Nil	Nil	Nil	1	0'55	0'55	?	?	?	
	Kaliaganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'13	60'95	50'62	
	Maddapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'22	67'36	40'18	
	Scoopool	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	88'16	?	
Durbhanga	Protabganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	
	Tajpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'06	42'63	43'90	
	Durbhanga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'06	50'37	46'63	
	Madhubani	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'69	63'61	45'96	
Mosufferpore	Rahera	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	70'09	?	
	Koshera	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	55'89	?	
	Etamarhi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'13	55'46	44'20	
	Mosufferpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'04	45'58	40'45	
Purbi	Balipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'04	42'69	42'66	
	Pare	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	37'89	?	
	Mahua	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	41'02	?	
	Sikhar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	48'48	?	
Papri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?		

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 11th of April 1890—concl'd.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 1st May 1889.	Average rainfall from 1st May to date.
			Saturday, 5th April.	Sunday, 6th April.	Monday, 7th April.	Tuesday, 8th April.	Wednesday, 9th April.	Thursday, 10th April.	Friday, 11th April.	Number of rainy days.	of Rainfall week.				
NORTH BEHAR—concluded.	Champaran...	Motihari	...	...	...	...	...	...	...	Nil	Nil	Nil	0.15	75.52	46.70
		Bettiah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.13	62.69	40.10
		Bagaha	...	...	...	...	...	...	...	Nil	Nil	Nil	?	70.44	?
		Burhura	...	...	...	...	...	...	...	Nil	Nil	Nil	?	51.93	?
SOUTH BEHAR	Sarun	Gopalgunge	...	...	...	...	...	...	...	Nil	Nil	Nil	0.04	35.73	44.31
		Sewan	...	...	...	...	...	...	...	Nil	Nil	Nil	0.03	44.43	44.74
		Chuprah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.07	40.85	41.29
		Buxar	...	...	...	...	...	...	...	Nil	Nil	Nil	0.09	47.74	39.55
	Shahabad	Dehret	...	...	...	...	...	...	...	Nil	Nil	Nil	0.11	43.02	41.08
		Bhahoonah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.07	38.61	42.10
		Sasaram	...	...	...	...	...	...	...	Nil	Nil	Nil	0.11	30.31	41.54
		Azra	...	...	...	...	...	...	...	Nil	Nil	Nil	0.10	42.82	41.23
	Gya	Mohanish	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Aurangabad	...	...	...	...	...	...	...	Nil	Nil	Nil	0.09	35.62	43.71
		Gya	...	...	...	...	...	...	...	Nil	Nil	Nil	0.06	40.20	43.58
		Nowadah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.10	39.72	41.17
CENTRAL NAGPUR.	Patna	Jehanabad	...	...	...	...	...	...	...	Nil	Nil	Nil	0.14	33.77	41.05
		Arwal	...	...	...	...	...	...	...	Nil	Nil	Nil	?	34.45	?
		Daudnagar	...	...	...	...	...	...	...	Nil	Nil	Nil	?	26.00	?
		Sherrghati	...	...	...	...	...	...	...	Nil	Nil	Nil	?	17.94	?
	Monghyr	Rajauli	...	...	...	...	...	...	...	Nil	Nil	Nil	?	31.90	?
		Pakri Barawan	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Patna	...	...	...	...	...	...	...	Nil	Nil	Nil	0.04	51.50	42.78
		Dumra	...	...	...	...	...	...	...	Nil	Nil	Nil	0.06	40.53	42.10
	South Bhagalpore	Rehar	...	...	...	...	...	...	...	Nil	Nil	Nil	0.10	41.30	42.06
		Barh	...	...	...	...	...	...	...	Nil	Nil	Nil	0.03	38.03	40.28
		Bickram	...	...	...	...	...	...	...	Nil	Nil	Nil	?	43.48	?
		Hilsa	...	...	...	...	...	...	...	Nil	Nil	Nil	?	35.04	?
	Sonthal Pergunnahs.	Begoesrai	...	...	...	...	...	...	...	Nil	Nil	Nil	0.07	47.75	41.00
		Monchyr	...	...	...	...	...	...	...	Nil	Nil	Nil	0.16	41.77	47.55
		Jamul	...	...	...	...	...	...	...	Nil	Nil	Nil	0.13	39.58	44.21
		Gogri	...	...	...	...	...	...	...	Nil	Nil	Nil	?	59.19	?
	South Bhagalpore	Sheikpura	...	...	...	...	...	...	...	Nil	Nil	Nil	?	43.32	?
		Bhagulpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.15	45.08	43.20
		Bakka	...	...	...	...	...	...	...	Nil	Nil	Nil	0.08	38.50	44.09
		Kalgang	...	...	...	...	...	...	...	Nil	Nil	Nil	?	46.97	?
	Sonthal Pergunnahs.	Bangson	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Rajmehal	...	...	...	...	...	...	...	Nil	Nil	Nil	0.03	50.97	52.80
		Godda	...	...	...	...	...	...	...	Nil	Nil	Nil	0.09	49.74	48.53
		Pakour	...	...	...	...	...	...	...	Nil	Nil	Nil	0.10	73.83	56.41
	Hazariabagh	Nya Dooika	...	...	...	...	...	...	...	Nil	Nil	Nil	0.32	57.10	55.03
		Deoghar	...	...	...	...	...	...	...	Nil	Nil	Nil	0.18	40.82	52.06
		Jamtara	...	...	...	...	...	...	...	Nil	Nil	Nil	0.08	40.66	50.30
		Mahaguma	...	...	...	...	...	...	...	Nil	Nil	Nil	?	50.87	?
	Lohardugga	Nantlat	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Pachamba	...	...	...	...	...	...	...	Nil	Nil	Nil	0.08	50.24	48.89
		(Girdi)	...	...	...	...	...	...	...	Nil	Nil	Nil	0.13	40.51	45.67
		Hazariabagh	...	...	...	...	...	...	...	Nil	Nil	Nil	0.13	30.98	48.75
	Singhbhum	Sontagurah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.09	40.92	40.52
		Mahudi Hill	...	...	...	...	...	...	...	Nil	Nil	Nil	?	43.40	?
		Jhoomra Hill	...	...	...	...	...	...	...	Nil	Nil	Nil	?	32.03	?
		Barhi	...	...	...	...	...	...	...	Nil	Nil	Nil	?	47.09	?
	Lohardugga	Chatra	...	...	...	...	...	...	...	Nil	Nil	Nil	?	40.05	?
		Karagdeha	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Ramghar	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Lohardugga	...	...	...	...	...	...	...	Nil	Nil	Nil	0.23	46.73	52.50
	Singhbhum	Ranchi	...	...	...	...	...	...	...	Nil	Nil	Nil	0.21	56.23	54.58
		Palamow	...	...	...	...	...	...	...	Nil	Nil	Nil	0.10	35.12	44.61
		Silli	...	...	...	...	...	...	...	Nil	Nil	Nil	?	34.20	?
		Holmat	...	...	...	...	...	...	...	Nil	Nil	Nil	?	44.79	?
	Manbhoom	Hosainabad	...	...	...	...	...	...	...	Nil	Nil	Nil	?	29.43	?
		Gorwah	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Chyebman	...	...	...	...	...	...	...	Nil	Nil	Nil	0.16	49.84	53.91
		Chakradhar-pore	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
	Manbhoom	Chatalia	...	...	...	...	...	...	...	Nil	Nil	Nil	?	60.83	?
		Hakaragura	...	...	...	...	...	...	...	Nil	Nil	Nil	?	67.57	?
		Purulia	...	...	...	...	...	...	...	Nil	Nil	Nil	0.17	44.40	51.25
		Gobindpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.18	34.05	46.54
	Manbhoom	Naghnath-pore	...	...	...	...	...	...	...	Nil	Nil	Nil	?	46.32	?
		Barrabhoon	...	...	...	...	...	...	...	Nil	Nil	Nil	?	45.52	?
		Jhaida	...	...	...	...	...	...	...	Nil	Nil	Nil	?	51.60	?
		Chas	...	...	...	...	...	...	...	Nil	Nil	Nil	?	59.42	?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 15th April 1890.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 11TH
OF APRIL 1890.**

THE week commenced with high pressure, a generally rising temperature, and the usual wind circulation at this season of the year; that is, with westerly winds in Behar and south or south-westerly winds over the rest of the area except in the eastern part of North Bengal, where directions are east or north-east. Temperature was above the normal except in Orissa, Behar, and part of East Bengal, and excess was large in Chutia Nagpur, parts of South-West Bengal and North Bengal. Pressure continued to rise for the first two or three days, and over the whole of the northern half of the province was from 0.15 inch to 0.2 inch above the normal, the excess diminishing to about a tenth of an inch in South-West Bengal and Orissa. In the early part of the week a low-pressure area formed to the west of Behar, and easterly winds blew at all stations in North Bengal and Behar from Sunday the 6th till nearly the end of the week. Weather became unsettled over the greater part of the province, and though the effects were noticeable in the cloudy weather, very little rain fell. A few showers fell in East and South-West Bengal during the first half of the week, but none in Orissa or Behar. The low-pressure area moved slowly to the east, and pressure began to fall on Tuesday, the 8th, continuing rapidly on the 9th, and more slowly till the end of the week. On Wednesday, the 9th, there was a distinct depression over part of Behar and North Bengal with cyclonic circulation, westerly winds having recommenced at the western stations of Behar. Frequent showers fell in North Bengal on the two last days of the week, especially in Cooch Behar, Julpigoree, and the Darjeeling Hill district. Though pressure continued to fall on Thursday and Friday, the depression gradually filled up and moved slowly to the east, the most rapid fall on Friday being in the east of North Bengal. Moderately strong winds blew throughout the week in the north-west corner of the Bay and in South-West Bengal and Chutia Nagpur, while temperature falling in the lower districts rose in the north of the province during the first half of the week, and fell in North and East Bengal during the latter half as the rainfall area extended over these parts.

Pressure—As stated above, was from five-hundredths to two-tenths of an inch above the normal from the 5th to the 8th, after which the depression, moving gradually eastward, the excess diminished considerably, and by the end of the week there was a general small defect of about two-hundredths of an inch. The largest falls were on Wednesday the 9th and Friday the 11th, amounting on the former date to a tenth of an inch over the northern half of Bengal, and diminishing to about a twentieth of an inch in Orissa and East Bengal; on the 11th it was a tenth of an inch in North Bengal and about a twentieth elsewhere. The means for the week are all considerably above the normal, excess ranging from a twentieth of an inch in Chutia Nagpur to a tenth of an inch in North Bengal and North Behar.

Temperature—Has changed rather irregularly and rapidly, the change, as shown in the table below, being largest in the day temperatures. For some time both night and day temperatures have been considerably above the normal, but this week maximum temperatures are either below the normal or slightly in excess, while rather large excess continues at night, especially in the northern districts. At Cuttack and Calcutta there has been defect, during the day, of about 3°, while at Gya, Purneah, Hazaribagh, and Darjeeling minimum temperature has been above the normal by amounts ranging from 3.5° to 6.4°. The means for the larger divisions are slightly below the normal in Orissa and East Bengal, and above elsewhere, the largest difference being 2.5° in Chutia Nagpur.

The actual temperatures during the week, the range from day to night, and their variation from the normals are seen in the following table, where the average maximum, minimum and mean temperatures at nine typical stations in different districts in the province are given together with their normal values:—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 11th April 1890.

	Normal mean maximum temperature for the week ending 11th April.	Actual mean maximum temperature for the week ending 11th April 1890.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 11th April.	Actual mean minimum temperature for the week ending 11th April 1890.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 11th April.	Actual mean daily temperature for the week ending 11th April 1890.	Variation of actual mean from the normal.
Cuttack	101.7	98.3	-3.4	77.0	78.0	+1.0	89.4	88.2	-1.2
Calcutta	95.8	92.8	-3.0	75.0	76.7	+1.7	85.4	84.2	-1.2
Dacca	93.5	92.0	-1.5	73.3	73.5	+0.2	83.4	82.8	-0.6
Burdwan	100.7	100.1	-0.6	74.5	73.5	-1.0	87.6	87.8	+0.2
Patna	100.6	101.9	+1.3	71.7	73.2	+1.5	86.2	87.5	+1.3
Gya	102.3	103.5	+1.2	73.1	78.5	+5.4	87.2	91.1	+3.9
Purneah	97.0	96.0	-1.0	67.9	71.4	+3.5	82.4	83.7	+1.3
Hazaribagh	96.7	98.2	+1.5	70.0	73.8	+3.8	83.4	86.0	+2.6
Darjeeling	59.9	61.3	+1.4	44.9	49.8	+4.9	52.4	55.6	+3.2

Rainfall—Has been almost entirely confined to North, East and South-West Bengal. Scattered showers fell in South-West Bengal during the early part of the week, in East Bengal throughout the week, especially on Sunday and Thursday, and in Cooch Behar, Julpigoree, and the Darjeeling Hills there were some heavy falls on the last three days. The heaviest were 6 inches at Cooch Behar, 4·4 inches at Buxa, and 3·6 inches at Alipore Doar. Elsewhere falls were generally under one inch. The average for North Bengal is 0·8 inch, East Bengal 0·5 inch, and South-West Bengal 0·18 inch, the first being half an inch in excess of the normal. Practically no rain fell in the other districts.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 11th of April 1890 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1889.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	101·9	74·8	90·6	78·6	84·6	-0·3	Nil	0·29	-0·28	0·0	0·7	-0·7	Nil	0·39	64·62	52·82
South-West Bengal ...	107·5	64·2	97·6	70·7	87·2	+0·5	0·18	0·31	-0·13	0·5	0·7	-0·2	0·18	0·44	53·56	54·90
East Bengal	94·0	67·3	90·1	73·8	83·0	-0·4	0·50	0·72	-0·22	1·3	1·3	0	0·50	0·96	79·10	79·07
North Bengal	103·2	63·9	95·8	72·4	83·1	+0·6	0·81	0·28	+0·53	1·1	0·7	+0·4	0·81	0·44	74·67	72·63
North Behar*	103·3	60·8	97·1	70·7	83·9	+1·2	Nil	0·08	-0·08	0·0	0·3	-0·3	Nil	0·12	58·00	49·72
South Behar	107·5	67·7	101·7	74·8	88·2	+2·0	Nil	0·08	-0·08	0·0	0·3	-0·3	Nil	0·11	44·44	44·82
Chutia Nagpur	100·6*	65·4*	98·1*	73·1*	85·6*	+2·5*	Nil	0·11	-0·11	0·0	0·4	-0·4	Nil	0·13	44·10	51·21

* Chupra and Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL ;
The 15th April 1890.

C. LITTLE,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 6th to 12th April 1890.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1890.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
April	6th	146.7	8.4	29.861	85.1	91.3	14.6	76.7	77.3	0.833	73.7	70	SSW and SSE	145	Nil	Chiefly clear, o.
"	7th	149.7	7.7	898	84.5	92.5	17.3	75.2	76.8	820	73.3	70	SSW	109	"	Chiefly clear.
"	8th	145.5	8.2	868	83.3	91.5	17.2	74.3	75.0	758	70.9	66	SSW	126	"	Chiefly clear, d.
"	9th	146.5	9.2	797	85.7	90.7	12.9	77.8	78.6	884	75.5	73	SSW	243	"	Chiefly clear, <.
"	10th	149.7	8.3	765	86.2	94.8	16.1	78.7	77.9	845	74.2	67	SW by S and SSW	240	"	Chiefly clear, o.
"	11th	148.6	7.7	733	85.7	93.9	15.9	78.0	78.4	875	75.2	71	SSW	240	"	Chiefly clear, o.
"	12th	148.0	7.4	764	85.3	92.6	14.3	78.3	78.1	866	74.9	72	SSW	256	"	Chiefly clear.

The mean pressure of the seven days ... 29.812
The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 29.759

The total number of hours of bright sunshine ... 59.9
The maximum possible number of hours of sunshine ... 87.5

The mean temperature of the seven days ... 85.1
The average temperature of the corresponding period for 24 years, S.-G.'s Office ... 84.7
The extreme variation of temperature ... 20.5
The maximum temperature ... 94.8

The highest velocity of the wind in one hour ... 19
The highest pressure of wind on one square foot ... Approximately 3

The mean relative humidity ... 70
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office ... 68

The total fall of rain from 6th to 12th April 1890 ... Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 0.32
The total fall from 1st January to 12th April 1890 ... 1.10
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 3.39

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h., 10h., 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

d dew; < lightning; o overcast.

J. H. GILLILAND,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 14th April 1890.

Abstract of the Results of the Barometric and Thermometric Observations taken at 10 a.m. at the Meteorological Office, Chowringhee, in the month of March 1890.

	Inches.	Days.
The mean pressure at 10 a.m. during the month ...	29.881	
The mean temperature at 10 a.m. during the month ...	84.0	
The highest temperature during the month ...	101.5	29th.
The lowest temperature during the month ...	64.4	8th.
The absolute range of temperature during the month ...	37.1	
The mean daily range of temperature during the month ...	20.8	
The greatest range of temperature in one day during the month ...	25.6	8th.
The mean 10 a.m. humidity during the month ...	61	
The mean 10 a.m. vapour tension during the month ...	715	
The total rainfall of the month ...	0.46	
The greatest fall in 24 hours ...	0.21	10th.
The number of rainy days in the month ...	4	

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 7th April 1890.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 6th to 12th April 1890.

MONTH.	Date.	Pressure at 10 a.m. corrected and reduced to 32° Fahr.	TEMPERATURE.						HYGROMETRY.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 a.m.	Wet bulb at 10 a.m.	Vapour tension at 10 a.m.	Dew point at 10 a.m.	Humidity at 10 a.m.	
		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
April 1890...	6th	29.910	84.9	92.5	15.2	77.3	88.1	79.0	.870	75.0	66	Nil.
"	7th	959	84.4	93.0	17.2	75.8	88.6	78.5	.840	74.0	63	"
"	8th	951	83.9	93.0	18.2	74.8	88.6	78.5	.840	74.0	63	"
"	9th	878	85.8	92.8	14.0	78.8	88.1	79.5	.893	75.8	68	"
"	10th	843	87.4	96.0	17.2	78.8	90.6	81.0	.930	77.0	65	"
"	11th	813	86.8	95.5	17.5	78.0	90.1	82.0	.985	78.8	70	"
"	12th	810	85.4	94.2	15.6	78.6	89.8	81.5	.965	78.2	69	"

The mean 10 a.m. pressure of the seven days ...	29.881
The mean temperature of the seven days ...	85.7
The extreme variation of temperature ...	21.2
The maximum temperature ...	96.0
The mean 10 a.m. relative humidity of the seven days ...	66
The total fall of rain from 6th to 12th April 1890 ...	Nil
The daily mean temperatures are the crude means of maximum and minimum temperatures.	

J. H. GILLILAND,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA ;
The 14th April 1890.

MEMORANDUM.

Weekly review of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 29th March 1890.

BIRTHS.

The births registered during the week ending with Saturday, the 29th March 1890, in twenty-seven principal towns of Bengal, correspond to an annual rate of 19·8 per 1,000 of the aggregate population of those towns which is 1,061,574. This rate is 2 lower than the average rate of the corresponding week of the past five years, and is also lower than the rate of the corresponding week of any of the past five years except 1886 and 1888—*vide* the figures below :—

	1885.	1886.	1887.	1888.	1889.	Weekly average of five years.	1890.
Ratio of births per 1,000 of the population per annum	26·3	19·2	20·1	19·7	23·7	21·8	19·8

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population :—

TOWNS.	WEEKS ENDING—				TOWNS.	WEEKS ENDING—			
	8th March 1890.	15th March 1890.	22nd March 1890.	29th March 1890.		8th March 1890.	15th March 1890.	22nd March 1890.	29th March 1890.
Burdwan	29·0	16·3	24·4	24·4	Narainganj	37·3	33·1	29·0	16·6
Midnapore	24·8	20·1	17·0	20·3	Chittagong	11·7	14·1	11·7	9·4
Hughli and Chinsurah	31·2	19·7	24·6	23·0	Comillah	46·2	50·1	38·5	23·1
Serampore	23·6	36·3	21·6	41·2	Fatna	7·8	13·9	8·8	13·3
Uttarpara	18·9	28·3	47·3	28·5	Gya	10·4	19·1	23·3	19·1
Howrah	19·5	25·3	21·2	19·5	Arrah	20·3	29·9	36·2	23·9
Bali	10·5	7·0	21·1	17·5	Mozufferpore	13·4	14·6	25·2	13·4
Kishnaghur	20·8	22·7	11·4	24·6	Durhananga	37·8	15·7	25·2	18·1
Ranaghat	18·0	6·0	41·9	...	Chupra	16·1	16·1	23·1	14·1
Santipore	5·3	21·0	35·0	29·8	Bhagulpore	15·4	30·8	16·3	13·6
Jessore	6·1	24·5	30·6	18·4	Monohyr	33·4	31·6	30·7	26·2
Rampore Beaulah	18·4	47·3	31·5	21·0	Purneah	27·7	20·8	3·5	27·7
Darjiling	22·2	14·8	...	37·0	Poori	27·3	14·7	33·6	29·4
Dacca	13·6	9·7	23·4	20·8					

It will be seen that last week the highest birth-rate was returned from Serampore (41·2) and the lowest from Chittagong (9·4). No births were registered during the week in Ranaghat town.

DEATHS.

The deaths registered during the week under review correspond to an annual rate of 23·1 per 1,000 of the population. The rate of the week is 1·3 below the average rate of the corresponding week of the past five years, and also below the rate of the corresponding week of any of the past five years except 1888—*vide* the figures below :—

	1885.	1886.	1887.	1888.	1889.	Weekly average of five years.	1890.
Ratio of deaths per 1,000 of the population per annum	30·6	23·5	23·3	21·0	23·7	24·4	23·1

The deaths registered in each of the last four weeks in each of the twenty-seven towns correspond to the following rates per 1,000 of the population :—

TOWNS.	WEEKS ENDING—				TOWNS.	WEEKS ENDING—			
	8th March 1890.	15th March 1890.	22nd March 1890.	29th March 1890.		8th March 1890.	15th March 1890.	22nd March 1890.	29th March 1890.
Burdwan	27·5	24·4	22·9	24·4	Narainganj	55·9	8·3	4·1	8·3
Midnapore	20·1	26·3	40·6	38·7	Chittagong	7·0	9·4	11·7	7·0
Hughli and Chinsurah	32·8	31·3	23·0	37·7	Comillah	57·8	53·9	42·4	46·2
Serampore	33·4	37·3	47·1	17·7	Patna	9·4	11·7	12·3	17·5
Uttarpara	66·1	28·3	47·2	24·8	Gya	20·4	48·6	41·0	66·3
Howrah	22·3	22·3	21·8	14·3	Arrah	13·2	13·0	14·4	16·7
Bali	14·0	17·5	21·6	24·6	Mozufferpore	13·4	14·6	4·9	17·0
Kishnaghur	18·9	9·5	11·4	5·7	Durhananga	16·5	15·7	15·7	25·4
Ranaghat	35·9	18·0	20·9	24·0	Chupra	4·0	10·1	14·1	11·1
Santipore	3·5	21·0	14·0	8·8	Bhagulpore	10·0	15·4	18·1	18·9
Jessore	24·5	30·6	61·2	12·2	Monohyr	22·4	19·0	14·5	9·3
Rampore Beaulah	34·2	21·0	20·3	21·0	Purneah	17·3	20·8	27·7	34·6
Darjiling	...	37·0	37·0	44·5	Poori	96·3	100·7	48·3	39·9
Dacca	14·3	11·0	18·2	22·7					

It will be seen that last week the highest mortality occurred in the town of Gya (66·3) and the lowest in Kishnaghur (5·7).

Measured by last week's mortality, the highest annual death-rates from the following registered death-causes were as follows:—

<i>Cholera.</i>		<i>Small-pox.</i>		<i>Fever.</i>		<i>Other causes.</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Comillah ...	15·4	Poori ...	16·8	Gya ...	45·1	Gya ...	15·7
Dacca ...	7·8	Patna ...	1·6	Darjiling ...	29·6	Midnapore ...	13·9
Midnapore ...	7·7			Purneah ...	24·2	Burdwan ...	13·7
Howrah ...	4·6			Hughli and Chinsurah ...	21·3	Poori ...	12·6
Gya ...	4·1					Bhagulpore ...	11·8

The total mortality from the several registered death-causes in the twenty-seven towns amounted to 2·4 from cholera, against 2·8 per 1,000 in the preceding week; 1·1 from small-pox, against ·9; 10·6 from fever, against 9·9; 1·8 from bowel-complaints, against 2; ·5 from injury, against ·4; and 6·7 from other causes, against 5·4 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows:—

<i>According to Sex.</i>		<i>According to Class.</i>		<i>According to Age.</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males ...	24·5	Christians ...	14·9	Under 1 year	182·3
Females ...	21·6	Hindus ...	22·9	1 and under 5 years	23·5
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population ...	113	Mahomedans ...	24·0	5 " 10 "	13·7
				10 " 15 "	9·7
				16 " 20 "	17·3
				20 " 30 "	12·6
				30 " 40 "	12·8
				40 " 50 "	19·9
				50 " 60 "	28·2
				60 years and upwards	65·6

Detailed information regarding the vital statistics of the twenty-seven towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

The 11th April 1890.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending Saturday, the 29th March 1890.

DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.			MORTALITY ACCORDING TO—										Sex.		Ratio of male deaths to 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.									
		Males.	Females.	Total.	NUMBER OF—	Ratio per 1,000 of population per annum.	Ratio of male births to every 100 female births.	DEATHS FROM—						DISEASE.				RATIO PER 1,000 OF POPULATION PER ANNUM.	Ratio of deaths per 1,000 of population per annum in the previous week.										
								Males.	Females.	Total.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Typhoid.	Bowel-complaints.				Injury.	Other diseases.	All causes.						
																								Males.	Females.	Total.			
																											Males.	Females.	Total.
Burdwan	Midnapore	Hughli and Chinsurah.	Serampore	Utterpara	Howrah	Bali	Kishinabur	Ranaghat	Santipore	Jessore	Rajahmundry	Darjiling	Dacca	Chittagong	Tripurah	Patna	Gya	Shahabad	Muzaffarpore	Durbhanga	Savar	Bhagulpore	Monghyr	Furness	Poori	Total			
18,483	16,417	34,900	12	4	16	18.3	6.1	24.4	200	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16,927	16,833	33,760	9	8	17	13.9	15.4	29.3	113	5	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15,803	15,229	31,032	5	6	11	8.2	14.8	23.0	55	2	1	13	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13,659	12,937	26,596	12	9	21	33.5	17.7	51.2	133	...	1	2	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3,946	2,424	6,370	1	2	3	9.4	18.9	28.3	50	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
53,153	37,666	90,819	17	17	34	97	97	19.5	100	8	3	3	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7,536	6,279	13,815	2	3	5	7.0	10.5	17.5	66	3	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13,363	14,214	27,577	11	2	13	20.8	5.8	26.6	536	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4,925	4,655	9,580	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13,705	15,979	29,684	6	11	17	10.5	19.3	29.8	33	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4,830	3,865	8,695	1	2	3	6.1	12.2	18.4	59	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19,768	9,035	19,791	5	3	8	13.1	7.9	21.0	166	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4,572	2,439	7,011	3	2	5	22.2	14.8	37.0	150	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
42,783	37,379	80,161	11	21	32	7.1	13.6	20.8	32	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7,605	4,655	12,260	2	2	4	8.3	8.3	16.6	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13,840	8,790	22,630	2	2	4	4.7	4.7	9.4	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8,103	5,333	13,436	3	3	6	11.5	11.5	23.0	100	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
78,762	81,475	160,237	26	15	41	8.4	4.9	13.3	173	3	5	23	7	2	14	54	1.0	1.0	...	...	...	...	...	...	...	...	...	...	...
38,390	37,531	75,921	17	11	28	11.6	7.5	19.1	151	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20,960	22,505	43,465	13	7	20	15.5	8.4	23.9	185	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23,084	19,658	42,742	6	5	11	7.3	6.1	13.4	120	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
33,774	32,332	66,106	14	9	23	11.0	7.1	18.1	153	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25,116	26,554	51,670	7	7	14	7.0	7.0	14.0	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39,640	27,813	67,453	9	6	15	8.1	5.4	13.5	120	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25,154	29,306	54,460	19	10	29	17.2	9.0	26.2	190	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8,463	6,553	15,016	4	4	8	13.8	13.8	27.7	100	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13,247	11,537	24,784	8	6	14	10.8	12.8	23.6	133	1	8	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
550,966	510,388	1,061,354	225	159	405	11.0	8.9	19.9	135	49	23	217	30	10	137	472	2.4	1.1	10.6	1.8	...	...	...	...	...	...	...	...	...

DISTRICTS.			NAMES OF MUNICIPALITIES.		Class.					Age.										MORTALITY ACCORDING TO—										RATIO PER 1,000 OF POPULATION PER ANNUM.																			
			DEATHS AMONG—		RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.																													
			</																																														

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 11th April 1890.

W. H. GREGG, Dip. Publ. Health, Camb.,

Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 12th April 1890,
as compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 12TH APRIL 1890.			WEEK ENDING SATURDAY, THE 13TH APRIL 1889.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	279	55,325	892	209	60,600	971
Jute	30	16,200	312	10	4,075	65
Firewood	86	39,500	604	89	36,130	638
Other articles	657	1,86,485	2,705	612	1,47,775	2,200
Total	1,052	2,97,510	4,513	920	2,48,580	3,783

Bengal Central Railway.

*Abstract of principal commodities carried over the Bengal Central Railway during the month of
January 1890, as compared with the same month of the previous year.*

STAPLES.	1890.		1889.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1890.	1889.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.		
Coal	3,986	95	4,696	7	4,081	4,703		622
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	250	1	180	1	257	181	76	
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	10	75	2	156	85	158		73
5.—Others	47	37	9	91	84	100		16
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed		59		45	59	45	14	
2.—Skins of sheep, &c.—								
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
b.—Unscrowed		642		582	642	582	60	
2.—Gunny bags and cloth	16	1	1		17	1	16	
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought								
4.—Iron	62	19	48	56	81	104		23
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	94		86		94	86	8	
3.—Others	128		72		128	72	56	
Oilseeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	150	34	20	22	184	42	142	
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betel-nuts	2	575	2	43	577	45	532	
3.—Others	111	123	115	142	226	267		23
Railway plant and rolling-stock	43	35	20	65	78	85		7
Salt	211		203		211	203	8	
Sugar—								
1.—Drained		170	6	677	193	683		490
2.—Undrained	23	19	15	20	37	35	2	
Tobacco	18							
All other articles of merchandise—								
1.—Unmanufactured	443	107	305	313	648	670		59
2.—Manufactured								
Total	5,600	2,082	5,841	2,220	7,682	8,061	914	1,293

Comparative Statement of traffic, Bengal Central Railway, for January 1890.

	INCREASES.	Tons.
Oil-seeds		142
Due to ordinary fluctuations of traffic.		
Betel-nuts		532
This increase was contributed by the B C Flotilla.		
	DECREASES.	Tons.
Sugar		490
Due to decreased outturn by the mills at Gobardanga and Jhikargachi.		

CALCUTTA, the 11th April 1890.

F. P. QUINLAN,
Examiner of Accounts.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 5th April 1890, on 1,625½ miles open

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	250,820	3,10,087 13 0	27,55,708 10	6,40,036 11 0	20,130 5 9	9,76,274 13 9	70,123½	105,631½	175,755½
Or per mile of railway ...	.....	207 3 3	.....	419 8 11	13 3 4	639 15 6	.....	.....	.....
For previous 13 weeks of half-year ...	3,355,250	37,82,935 4 0	3,39,07,388 30	78,49,184 12 0	2,57,554 12 0	1,18,89,652 12 0	838,353½	1,222,408	2,060,761½
Total or 14 weeks ...	3,606,070	40,90,021 1 0	3,66,63,079 0	84,89,221 7 0	2,77,685 1 9	1,28,65,927 9 9	908,477½	1,328,039½	2,236,517
COMPARISON.									
Total for corresponding week of previous year ...	265,760½	3,46,802 13 11	28,03,334 20	6,29,034 1 6	18,771 13 8	9,04,508 13 1	69,83½	98,940	168,775½
Per mile of railway corresponding week of previous year ...	.....	226 10 11	.....	412 15 0	12 4 10	661 14 9	.....	.....	.....
Total to corresponding date of previous year ...	3,672,246½	43,13,460 10 1	3,88,25,912 20	84,50,068 0 0	2,14,800 2 2	1,29,78,318 4 3	925,439	1,346,936	2,202,375

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 6TH APRIL 1890.			RECEIPTS FOR WEEK ENDING 5TH APRIL 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 31ST MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 31ST MARCH 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
1,625½	Rs. 9,94,509	622	1,525½	Rs. 9,76,275	640	1,525½	Rs. 4,46,65,000	563	1,525½	Rs. 4,40,82,008	567	Rs. 5,16,999	.....

PATNA-GYA STATE RAILWAY

Approximate Return of Traffic for week ended 5th April 1890, on 57½ miles open

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	16,333	5,149 9 0	63,303 30	4,676 13 0	37 2 0	15,863 8 0	1,660	794	2,504
Or per mile of railway ...	286	142 7 7	1,106 30	81 12 2	0 10 5	224 14 2	.....	.....	.....
For previous 13 weeks of half-year ...	*167,029	*88,077 1 0	*6,06,102 20	*36,382 4 0	*1495 12 0	*1,24,935 1 0	*22,413½	*8,566	*30,999½
Total for 14 weeks ...	183,362	96,226 10 0	6,69,406 10	41,050 1 0	232 14 0	1,27,818 9 0	24,018½	9,359	33,338½
COMPARISON.									
Total for corresponding week of previous year ...	17,022	9,744 3 4	44,923 10	3,363 2 0	65 7 6	15,112 12 10	1,614	780	2,394
Per mile of railway corresponding week of previous year ...	298	170 6 8	785 20	57 11 11	1 2 4	229 3 11	.....	.....	.....
Total to corresponding date of previous year ...	297,610	1,16,398 2 0	5,36,899 0	31,177 13 0	1,258 4 0	1,48,834 3 0	25,806	8,573	34,379

* Added number of passengers 1,663 and Rs. 795 }
 † Ditto maunds 40,807 " 432 } on account of differences between the approximate and audited returns to week ended 22nd February 1890.
 ‡ Deducted " 54 }
 § Added Mds. 233-19 and Rs. 3-5-13-0 }
 || Ditto " 567-9-0 } on account of supplemental return to 31st March 1889.

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 6TH APRIL 1890.			RECEIPTS FOR WEEK ENDING 5TH APRIL 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 31ST MARCH 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 31ST MARCH 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
57½	Rs. 15,113	229	57½	Rs. 12,864	225	57½	Rs. *5,06,353	170	57½	Rs. *5,12,554	172	Rs. 6,261	.....

* Added Rs. 923 on account of supplemental return to 31st March 1889.
 † Added Rs. 1,832 on account of supplemental returns to 31st December 1889 and Rs. 1,143 on account of difference between the approximate and audited figures to week ended 22nd February 1890.

Approximate Return of Traffic for week ended 5th April 1890, on 22½ miles open.

•	Added No. of passengers	8,726	and Rs.	4,270	0	5	} on account of differences between the approximate and audited returns to week ended 22nd February 1890.
†	„ „ Mds.	638	„	44	0	0	
†	„ „	..	„	25	0	0	
†	Deducted	...	Rs.	0	1	0	} on account of supplemental return to 31st March 1889.
†	Added	...	Rs.	1	5	0	

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

* Added Rs. 1 on account of supplemental return to 31st March 1889.
† Added Rs. 55 on account of supplemental return to 31st December 1889 and Rs. 4,339 on account of difference between the approximate and audited figures to week ended 22nd February 1890.

Approximate Return of Traffic for week ended 29th March 1890, on 747 miles open.

* Audited up to week ending 8th February 1890.
† Excluding steamer earnings.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

* Audited up to week ending 8th February 1890.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 29th March 1890, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	26,010	9,990 0 0	73,350 0	4,210 0 0	50 0 0	14,250 0 0	3,735	1,037	5,672
Or per mile of railway ...	208	80 0 0	587 0	34 0 0	.....	114 0 0	.....	.....	.....
For previous 12 weeks of half-year ...	331,000	1,18,608 0 0	5,19,530 0	35,404 0 0	660 0 0	*1,54,072 0 0	43,227	22,639	65,866
Total for 13 weeks ...	357,610	1,27,998 0 0	5,92,030 0	39,614 0 0	710 0 0	1,68,322 0 0	46,962	24,576	71,538
COMPARISON.									
Total for corresponding week of previous year ...	23,382	10,546 0 0	60,538 0	4,027 0 0	30 0 0	14,912 0 0	3,735	1,980	5,715
Per mile of railway corresponding period of previous year ...	227	87 0 0	484 0	32 0 0	.....	119 0 0	.....	.....	.....
Total to corresponding date of previous year ...	371,927	1,33,176 0 0	7,28,828 0	38,174 0 0	4,284 0 0	1,75,634 0 0	47,542	24,677	72,219

* Audited up to week ending 8th February 1890.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 30TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 29TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 30TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 29TH MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	14,912	119	125	14,250	114	125	7,21,789	111	125	*7,27,773	112	5,984	.....

* Audited up to week ending 8th February 1890.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 29th March 1890, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	29,736	9,150 0 0	19,010 0	1,990 0 0	80 0 0	11,160 0 0	2,460	624	3,104
Or per mile of railway ...	346	107 0 0	221 0	22 0 0	1 0 0	130 0 0	.....	.....	.....
For previous 12 weeks of half-year ...	202,300	73,762 0 0	3,39,340 0	22,943 0 0	2,247 0 0	*1,08,064 0 0	28,098	8,680	37,078
Total for 13 weeks ...	231,920	82,949 0 0	3,49,350 0	24,943 0 0	2,327 0 0	1,20,124 0 0	31,178	9,604	40,782
COMPARISON.									
Total for corresponding period of previous year ...	16,927	5,254 0 0	12,215 0	740 0 0	256 0 0	6,250 0 0	2,460	624	3,104
Per mile of railway corresponding period of previous year ...	197	61 0 0	142 0	9 0 0	3 0 0	73 0 0	.....	.....	.....
Total to corresponding date of previous year ...	202,493	83,351 0 0	1,60,597 0	14,302 0 0	2,153 0 0	79,906 0 0	31,609	8,428	40,027

* Audited up to week ending 8th February 1890.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 30TH MARCH 1889.			RECEIPTS FOR WEEK ENDING 29TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 30TH MARCH 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 29TH MARCH 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	6,250	73	86	11,160	130	86	3,03,990	68	86	*4,05,382	91	1,02,102	.....

* Audited up to week ending 8th February 1890.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 5th April 1890, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	3,088	Rs. A. P. 1,083 0 0	Mds. S. 9,191 0	Rs. A. P. 589 0 0	Rs. A. P. 11 0 0	Rs. A. P. 1,683 0 0	509	254	763
Or per mile of railway ...	113	40 0 0	337 0	22 0 0	.....	62 0 0	.....	.....	.....
For previous 13 weeks of half-year ...	42,438	15,320 0 0	1,80,816 0	11,094 0 0	1,374 0 0	27,788 0 0	6,359	6,597	12,956
Total for 13 weeks ...	45,526	16,403 0 0	1,90,007 0	11,683 0 0	1,385 0 0	29,471 0 0	6,908	6,851	13,759
COMPARISON.									
Total for corresponding week of previous year ...	3,227	1,277 0 0	5,446 0	387 0 0	13 0 0	1,677 0 0	509	308	817
Per mile of railway corresponding week of previous year ...	118	47 0 0	209 0	14 0 0	1 0 0	62 0 0	.....	.....	.....
Total to corresponding date of previous year ...	48,387	18,353 0 0	1,75,376 0	10,301 0 0	1,023 0 0	20,677 0 0	6,980	6,905	13,885

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 6TH APRIL 1889.			RECEIPTS FOR WEEK ENDING 5TH APRIL 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 6TH APRIL 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 5TH APRIL 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,677	62	27½	1,683	62	27½	21,437	53	27½	21,302	44	.....	235

a Average for 6 and 5 days has been shown.

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 5th April 1890, on 273 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	48,838	Rs. A. P. 18,707 0 0	Mds. S. 2,53,138 0	Rs. A. P. 28,172 0 0	Rs. A. P. 2,792 0 0	Rs. A. P. 49,671 0 0	5,582	8,136	13,718
Or per mile of railway ...	179	69 0 0	927 0	103 0 0	3 0 0	175 0 0*	.....	.....	.....
For previous 13 weeks of half-year ...	611,347	2,55,822 0 0	33,87,751 0	3,84,744 0 0	40,362 0 0	6,80,528 0 0	69,919	121,339	191,258
Total for 13 weeks ...	660,185	2,74,529 0 0	36,40,889 0	4,12,916 0 0	43,154 0 0	7,30,599 0 0	75,501	129,475	204,976
COMPARISON.									
Total for corresponding week of previous year ...	47,153	18,410 0 0	1,52,927 0	19,295 0 0	4,623 0 0a	42,328 0 0	5,541	5,030	10,571
Per mile of railway corresponding week of previous year ...	172	67 0 0	560 0	71 0 0	7 0 0	145 0 0*	.....	.....	.....
Total to corresponding date of previous year ...	579,837	2,22,356 0 0	18,72,887 0	1,82,076 0 0	44,248 0 0	4,48,680 0 0	76,757	75,575	152,332

* Steam-hoat earnings excluded in calculating "Total earnings per mile of Railway."

a Includes Rs. 1,838 as "Sundry receipts."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 6TH APRIL 1889.			RECEIPTS FOR WEEK ENDING 5TH APRIL 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 6TH APRIL 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 5TH APRIL 1890.			Total increase in 1889-91.	Total decrease in 1889-91.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
273	42,328	165	273	40,671	162	273	2,30,281	139	273	2,35,480	139	.....	801

a Average for 6 and 5 days has been shown here.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, APRIL 23, 1890.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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Results of the Meteorological Observations taken at the Alipore Observatory from 13th to 19th April 1890	879	East Indian Railway for the month of February 1890	904
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RESOLUTION ON THE CHEMICAL EXAMINER'S REPORT FOR 1889.

RESOLUTION.

MEDICAL.

Dated Calcutta, the 13th April 1890.

READ—

A letter from the Inspector-General of Civil Hospitals, No. 3354, dated the 5th March 1890, forwarding the Report of the Chemical Examiner for the year 1889.

Read also—

The Report for 1888 and the Resolution recorded by Government on it.

The following table shows the general nature of the work done during 1889 as compared with 1888:—

	Medico-legal.	1888.	1889.
Human viscera tested for poison	...	199	209
Animal ditto for do.	...	122	144
Fowls' ditto for do.	...	2	1
Substances suspected to be or to contain poison, including cattle poison	...	591	663
Articles tested for blood stains	...	246	299
Ditto for seminal stains	...	61	62
Human hair	4
Asses' hair	1
Muscular tissue	1

Articles tested for purity and quality.

Potable water	...	61	74
Petroleum and inflammable oils	...	268	292
Lime juice	...	9	25
Opium confiscated	...	52	47
Opium from the Board of Revenue, Lower Provinces	...	6	13
Salt	...	186	57
Ghee	...	37	54
Spirit for deleterious adulterations	...	18	63
Spirit determinations for the Collector of Customs, Calcutta	...	172	255
Small Arms Ammunition Factory, Dum-Dum	...	373	488
Fort William Arsenal	...	4	5
Medical Store Department	...	1	7
Telegraph Store Department	...	10	12
Commissariat Department	...	117	120
Other Departments	...	78	81
Total	...	2,613	2,977

The above figures show that the work of the Chemical Examiner is increasing in every direction. Since 1880-81 there has been an increase of 1,507 in analyses, or an increase of over 100 per cent. In addition to the analyses above enumerated, nine opinions on technical questions were submitted during the year under report, and 31 applications for leave to file specifications for patent rights were reported on for the Government of India. Some work was also done for the Department of the Collector of Customs, Calcutta, in connection with the introduction of the new Excise rules for determining the real alcoholic strength of imported spirits. Two hundred and nine human viscera were examined for poison, as against 199 in 1888. Poison was detected in 48.3 per cent. of these cases, as against 44.2 in the previous year. In 50 cases opium was found, and in 29 cases arsenic, and there were 22 cases in which traces of other poisons were discovered. In commenting on the large number of cases in which the two first-named poisons are found, Dr. Warden remarks: "These figures very clearly demonstrate that opium and arsenic, the two most commonly known poisonous drugs, are still the favourite agents for suicidal and homicidal purposes, respectively, while the more easily procurable, and in many instances as deadly, vegetable poisons are comparatively still very little used in spite of the advance of civilization."

The following remarks of the Chemical Examiner in connection with the examination of spirit for deleterious adulterations are worthy of special note: "Sixty-three samples were examined, compared with 18 during the previous year. The object of the examination was to ascertain whether or not noxious drugs were added to increase the intoxicating effects of the spirit. The following drugs were especially sought for:—Indian hemp, opium, nux-vomica, datura, aconite, and in some cases tobacco. In every case negative results were obtained. Bearing in mind that some of the drugs supposed to be used are highly toxic, and not usually credited with producing intoxicating effects, and having very distinctive and unpleasant tastes, and also remembering that others are costly, it seems highly probable that the idea regarding the adulteration of country liquor with noxious drugs is based on incorrect deductions made by persons not possessed of any technical knowledge. There is no doubt that drugs are added in some cases to the contents of the *fermenting vats*, as, for example, nux-vomica seeds in *bakur pills*, and the incorrect conclusion has been arrived at that the distilled spirit must also contain the same drugs. But this inference, as I pointed out some years ago, is founded on a misconception. The active principles of such drugs as aconite, datura, nux-vomica, Indian hemp are non-volatile, and, though the fermented liquid may be saturated with such poisons, the distillate under ordinary conditions will be harmless." These remarks go far to prove that the popular opinion that country liquors are rendered noxious by the infusion of drugs of the nature of datura, hemp, aconite, and the like, is founded on an altogether mistaken basis.

The thanks of the Lieutenant-Governor are due to Dr. Warden for his report, and for the good work he and his assistants have done during the year.

The able and exhaustive report on tube wells submitted by the same officer has already been dealt with in the Sanitation Department of this Office. It is likely to prove of great value in forwarding the cause of sanitary reform.

By order of the Lieutenant-Governor of Bengal,

JOHN EDGAR,

Chief Secretary to the Govt. of Bengal.

RESOLUTION ON THE EMBANKMENT REPORTS FOR 1888-89.

No. 695I.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

Irrigation.

Dated Calcutta, the 21st April 1890.

RESOLUTION.

READ—

The embankment reports for 1888-89.

The budget grant for the maintenance of embankments in Bengal for the year 1888-89 was :—

			Rs.
Government embankments	...	...	6,31,928
Tuccavee embankments under contract	...	...	3,15,072
Total	...	...	9,47,000

The expenditure during the year was as follows:—

			Rs.
Government embankments	...	...	6,53,405
Tuccavee embankments under contract	...	...	1,29,796
Total	...	...	7,83,201

2. The accompanying statement shows the lengths of embankments in each civil division and district in Bengal other than Orissa. The D Schedule embankments are maintained at Government expense, and those classed as tuccavee are maintained at the cost of zemindars, either under contract for a fixed term of years, or under annual estimates for repairs. The expenditure on the latter is shown in the remarks column.

3. The total length of D Schedule embankments and the cost of maintaining the same, exclusive of charges for establishment and tools and plant, during the year under review, as compared with those of the previous year, are shown below :—

Year.	Length.		Cost.
	Miles.	Feet.	
1888-89	1,127	387	2,98,625
1887-88	1,127	387	2,54,129

The average cost of maintenance per mile has increased from Rs. 225.47 in 1887-88 to Rs. 264.95 in 1888-89.

The chief cause for this increase in expenditure is to be found in the severity of the inundations with which the embanked districts of the Presidency and Burdwan Divisions were visited after the heavy rainfall of August 1888. The readings recorded on the gauges of the chief rivers, *e.g.*, the Rupnarain, Damuda and Bhagirutti, are but a few inches lower than the highest recorded

in any previous year. In the districts of Burdwan, 24-Pergunnahs, Moorshedabad, Hooghly and a portion of Midnapore numerous breaches of the embankments took place, and the outlay incurred in closing these and in retiring the embankments at threatened points was heavier than usual. Of work of a more special character which has been carried out may be mentioned the raising of portions of the left Damuda embankment in Burdwan; and in the Hooghly district, the remodelling of the embankments of the Madaria khali and of the Damuda, the raising of five miles of the left embankment of the Rupnarain and the construction of a new retired line at Mallock, on the same river, the encroachments of which at this point have been a source of heavy outlay for some years past.

4. The embankments of the Burdwan estate, which are included in Schedule D, were maintained at a cost of Rs. 1,38,319, against Rs. 91,156 in the year previous, or at an increase of Rs. 47,163.

5. The length of tuccavee embankments under contract is now 478 miles 4,942 feet. The small addition of 136 feet over the length shown in the last return is due to the taking over of the Rajbundibund in Midnapore. The average mileage rate of maintenance has risen for 242 miles of tuccavee embankment in the Midnapore district from Rs. 138·32 to Rs. 143·89; for 236 miles in the Patna Division the rate has fallen from Rs. 219·48 to 199·18. On the Gunduk embankments in the district of Chumparun the rate per mile has increased from Rs. 244·30 to Rs. 388·03. It appears from the report that though the Gunduk was at no period of the season in very high flood, yet that the persistent set of the river at various points on its left bank was such as to necessitate heavy expenditure in training and protective works, in order to hold the line of the embankment. The 120 miles of embankment on the Sarun bank of the Gunduk were maintained at the comparatively low rate of Rs. 158·82 per mile.

The losses and suffering caused in embanked districts of Lower Bengal by inundations through breaches in times of flood, and the more frequent occurrence each year of such breaches, in consequence of the deterioration of river channels where embankments exist, are subjects to which much attention has been paid throughout the year. The causes of the defective drainage in the southern portion of the district of Midnapore were investigated by a Committee of Enquiry appointed for that purpose; and a special survey division was organised to deal with the Damuda and Rupnarain rivers. In both these cases the difficulties are great on account of the gradual silting up of the natural drainage outlets of the country. The difficulty of this drainage question is yearly increasing rather than diminishing, but the matter is being carefully considered, and the Lieutenant-Governor trusts that some practical way of treating it may shortly be arrived at.

By order of the Lieutenant-Governor of Bengal,

J. M. McNEILE, Col., R.E.,

Secretary to the Govt. of Bengal,

P. W. Dept.

ACCOMPANIMENT TO BENGAL GOVERNMENT RESOLUTION No. 6951., DATED 21ST APRIL 1890.
List of Embankments in Bengal, the property of Government and in charge of Government Officers, showing the length and cost of maintenance during the year 1888-89.

NAME OF CIVIL DIVISION.	District.	MILES OF EMBANKMENT.										Total miles of embankment.		COST OF MAINTENANCE OF TUGGAVI EMBANKMENTS UNDER CONTRACT.		REMARKS.
		D Schedule.		TUGGAVI.						COST OF MAINTENANCE OF SCHEDULE EMBANKMENTS.				Total.	Rate per mile.	
		Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Total.	Rate per mile.					
PATNA	Monasfarpore	...	...	...	...	...	...	...	...	...	...	Feet. 1,450	Rs. 11,514	Rs. 217.10	Rs. 10,415	Rs. 7,339 were expended on repairs to the Turki embankment during the year.
	Durbhanga	...	...	...	...	...	...	...	...	...	...	17	...	...	...	Rs. 3,044 were expended on repairs to the Basitpore embankment during the year.
	Sarun	...	...	...	...	...	...	...	...	...	...	119	12,047	115.88	53,000	...
	Chumbarun	...	...	...	...	...	...	...	...	...	...	65	25,222	388.08	13,000	...
	Total	...	...	...	...	...	...	...	...	...	...	279	54,763	199.18	47,315	Rs. 999 were expended on repairs to the Sakri bund during the year.
BHAGALPORE	Bhagalpore	...	...	...	...	...	...	...	...	...	...	5	...	...	...	Rs. 575 were expended on repairs to the Chandan embankment at Banka.
	Maddah	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...
	Purneah	...	...	...	...	...	...	...	...	...	...	2	...	...	...	Rs. 51 were expended on repairs to the Belwa bund during the year.
	Monghyr	...	...	...	...	...	...	...	...	...	...	11	...	...	...	Rs. 2,333 were expended on repairs to the M-nghr embankment during the year.
	Total	...	...	...	...	...	...	...	...	...	...	19	...	...	...	There was no expenditure on the Chota Manika embankment during the year.
BAJSHAHYE	Bajshahye	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...
	Bogra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	
	Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	There was no expenditure on the Tolly's Nullah embankment during the year.
PRESIDENCY	Moorshedabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Nuddes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	24-Pergunnahs	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	There was no expenditure on the Jahangpore, Kotorampore, and Lakra embankments during the year.
BUDWAN	Burdwan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Beerbhoom	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hooghly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Midnapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Rs. 855 were expended on repairs to the Madaria khal embankment during the year.
	GRAND TOTAL	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Rs. 1,089 were expended on repairs to the Joki embankment during the year.

* This is the correct length of the Sakri bund and 10 feet more than the length shown in previous year's return.
 (a) Inclusive of 135 feet of the Rajbundi bund—vide B. nral Government at No. 11071., dated 9th July 1888.
 (b) This is the length of the Joki embankment and was not shown in previous year's return.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 19th April 1890.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
<i>Western Districts.</i>			
BURDWAN DIVN.	1 Burdwan Culna April 19, '90	Nil 0.03	Weather—hot and occasionally windy. Cultivation very much retarded for want of rain. Prospects of <i>til</i> and sugarcane not good. Prices of common rice:— <div style="text-align: right;"> Srs. Burdwan ... 17½ Culna ... 16 Cutwa ... 16½ Ranigunge ... 18 </div> } per rupee.
	2 Bankura „ 19, '90	0.77	Weather—much cooled down by the rain and storm of last evening. Rain will facilitate agricultural operations generally, and will do good to standing crops. Common rice 20 seers per rupee at Sudder and 19 seers at Bishen-pore.
	3 Birbhum „ 19, '90	Nil	No crops on the ground. Price of rice 16 to 20 seers per rupee.
	4 Midnapur „ 19, '90	Nil	High wind and some cloud, but no rain reported anywhere. Weather cooler. Rain required for <i>boro</i> . Indigo doing well. Prices of common rice:— <div style="text-align: right;"> Srs. Sudder ... 19 Contai ... 20 Tamluk ... 16 Ghatal ... 18 </div> } per rupee.
	5 Hooghly „ 19, '90	0.35	Weather—windy and cloudy. No crop on the ground. Prices of common rice:— <div style="text-align: right;"> Srs. Sudder ... 13 Serampore ... 16 Jehanabad ... 16 </div> } per rupee.
	Howrah „ 19, '90	Nil	Weather—very hot days, but nights cool. <i>Boro dhan</i> much damaged for want of rain.
<i>Central Districts.</i>			
PRESIDENT DIVN.	6 24-Pergha April 22, '90	Nil	Weather—very hot. Strong southerly wind and slight shower at the end of the week. Rain much wanted. Sugarcane and <i>boro</i> paddy suffering. There was some rain yesterday (21st) afternoon, and this will much benefit the crops. Price of common rice 15 seers per rupee.
	7 Nuddea ...	...	Report not received.
	8 Khoolna Bagirhat „ 19, '90	0.69	Weather—hot in beginning of week, stormy during last two nights. <i>Boro</i> harvest going on with good outturn. Some rain has fallen in the Sudder and Bagirhat subdivisions, but more is wanted.
	9 Jessore Narail „ 19, '90	1.60	Weather—hot and occasionally cloudy with strong wind. Rainfall of the 17th and 18th has been beneficial to the ploughing and sowing of early rice and jute. No crops on the field.
	10 Moorshedabad „ 19, '90	Nil	Weather—normal with dust storms. Lands are being prepared for <i>aus</i> rice.
RAJSHAHY DIVN.	11 Dinagepur „ 19, '90	1.57	Weather—fairly cool with occasional showers. Sugarcane pressing completed; outturn estimated at 12 annas. Jute, sugarcane, and <i>bhadoi</i> are being sown. In Thakurgaon rain wanted, otherwise prospects good. Price of rice at Sudder and Thakurgaon 18 seers per rupee.
	12 Rajshahye „ 19, '90	2.06	Weather—very hot and dry during early part of week; since then cooler. Sowing of all crops, which was retarded owing to absence of rain, will now be taken in hand extensively in the Sudder subdivision. Rain much wanted elsewhere.
	13 Rungpur Nilphamari „ 19, '90	1.20	Daily storms of wind and rain cooling the air and laying the dust. Rain has been general, and has had a most beneficial effect on cultivation. Fields are now being ploughed for late rice, which, with jute, is being sown over large areas. Latest report from the south of district, however, shows that more rain is still needed there.
	14 Bogra „ 19, '90	Nil	Weather—seasonable. A storm on Thursday (17th) night. <i>Aus</i> rice and jute are being sown, and have germinated in some places. There are no standing crops. <i>Cheena</i> has been reaped, with an outturn of 16 annas. Common rice is selling at 18 seers per rupee.
	15 Pubna „ 19, '90	0.53	Partial clouds and slight rain. <i>Aus</i> , <i>aman</i> and jute being sown. Recent rain has done good. Prices stationary.
	16 Darjeeling „ 18, '90	0.40	Weather—fair. <i>Bhadoi dhan</i> , <i>bhoota</i> , and <i>murwa</i> are being sown. Wheat and barley harvested. Prospects favourable.
	17 Culpigoree „ 19, '90	0.05	Weather—hot and cloudy at intervals. Sowing of <i>bhadoi</i> and jute commenced in places. Drying of tobacco leaves in full swing. Prices have risen a little.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.			
* Eastern Districts.			
Dacca Divs.	18 Dacca April 19, '90	2.89	Weather—hot and cloudy. Heavy rain with high wind in the Sudder subdivision. Cultivation of rice and jute going on. Harvesting of <i>boro</i> continues. Recent rain has done much good to the standing crops as well as to ploughing and sowing. Common rice 13 to 15 seers per rupee.
	19 Farreedpur „ 19, '90	0.25	Weather—seasonable. Ploughing of land for <i>aus</i> paddy and planting of sugarcane in progress. <i>Jali dhan</i> is being reaped in <i>chur</i> lands. More rain wanted. Price of common rice varies from 13 to 15 seers per rupee.
	20 Backergunge „ 19, '90	0.86	Weather—hot and cloudy with occasional storms and rain. Prospect of fair. Common rice sells at 13 to 14 seers per rupee.
	21 Mymensingh „ 19, '90	0.66	Weather—seasonable. Storm at Jamalpore on night of 15th and at Sudder last night. Prospects of crops good. Reaping of <i>boro dhan</i> commenced. Common rice sells at 13½ seers per rupee.
Chittagong Divs.	22 Chittagong „ 19, '90	1.41	Weather—hot. Cultivation of <i>aus</i> in progress. Chilly crop thriving. Common rice is being sold at 17 seers per rupee.
	23 Noakholly „ 19, '90	0.73	Weather—cloudy and rain at times. Sowing of <i>aus</i> crop has commenced. Rain has done good. Common rice is selling at from 14 to 20 seers per rupee.
	24 Tipperah „ 19, '90	1.49	Weather—cool with heavy storms of wind and rain. Harvesting of <i>boro dhan</i> almost completed. Jute, <i>amun</i> , <i>aus</i> and <i>til</i> thriving. Lands being ploughed extensively.
	25 Chittagong Hill Tracts „ 18, '90	0.18	Weather—hot throughout the week and cloudy and rainy on the 17th. <i>Jum</i> cutting still continues. <i>Jum</i> burning has begun. Gathering of tobacco and chillies still continues. Sugarcane doing well. Common rice being sold at 13 seers 14 chittacks per rupee.
BEHAR.	Hill Tipperah „ „	...	Report not received.
PATNA Divs.	26 Patna „ 19, '90	Nil	Weather—hot and dry. Threshing and winnowing of <i>rubbi</i> crops continue. <i>Cheena</i> has germinated well. Weighment of opium going on. Prices of food-grains almost stationary.
	27 Gya „ 19, '90	Nil	Weather—hot. <i>Rubbi</i> crops still being threshed. Opium weighments going on. Prices of food-grains almost stationary.
	28 Shahabad „ 19, '90	Nil	At Arrah varying winds and one dust storm and cloudy in latter end of week; elsewhere hot winds and seasonable weather. <i>Rubbi</i> harvested, giving about 13 annas outturn. Sugarcane transplanted. Price of rice 16 to 18 seers per rupee.
	29 Durbhanga „ 19, '90	Nil	East wind prevailing. <i>Mung</i> , <i>cheena</i> and paddy coming on well, but rain much wanted. Indigo doing well. Prices have slightly risen.
	30 Mozufferpur „ 19, '90	Nil	Weather—hot. Wind changeable. Stormy to north of Nepal frontier. <i>Rubbi</i> still being threshed. Rain wanted, and the crops on the ground are slightly suffering.
	31 Saran „ 19, '90	Nil	Weather—hot; west wind in early part of week; east wind latterly. Threshing of <i>rubbi</i> almost completed; outturn 16 annas as expected. <i>Cheena</i> doing well. Opium weighments in full swing.
BHAGULPORE Divs.	32 Chumpran „ 19, '90	Nil	Weather—hot except in the early morning; occasionally stormy. Threshing of <i>rubbi</i> going on. Paddy and <i>cheena</i> are still being sown. Opium weighment progressing.
	33 Monghyr „ 19, '90	Nil	Weather—hot; east wind prevailing. Threshing of <i>rubbi</i> crops almost finished. Prices of food-grains stationary.
	34 Bhagulpur „ 19, '90	0.04	Weather—hot and windy. Slight shower and nor'-westers on Friday (18th). Rain much wanted both for crops on the ground and for tillage.
	35 Purneah „ 19, '90	Nil	Weather—cloudy with storms. Rain urgently needed in the Kishengunge subdivision for jute sowings, and elsewhere for early rice and <i>bhadoi</i> sowings. Weeding of rice on low lands commencing. Last night's rain, if general, will have done great good. <i>Rubbi</i> harvest practically completed.
	36 Maldah „ 19, '90	Nil	Weather—changeable. High wind with slight rain during last two days. Standing crops suffering much for want of sufficient rain. Rain also needed for preparation of lands for <i>bhadoi</i> and winter rice crops. State of mulberry fair. Common rice selling at 14 seers per rupee at Sudder.
	37 Sonthal Pergah „ 19, '90	0.20	Weather—hot and oppressive till yesterday (18th), when there was fairly heavy rain. <i>Mohua</i> crop reported to be poor. Sugarcane planting complete in Godda. Rain much wanted in Deoghur. Prices rising at Pakour.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.			
ORISSA DIV.	38 Cuttack April 19, '90	Nil	Weather—mild. The sky gets overclouded every evening, but no rain has fallen yet. <i>Dalsa</i> rice doing well. Ploughing operations continue. Prospects generally good.
	39 Pooree ...	...	Report not received.
	40 Balasore „ 19, '90	0.82	Weather—cooler than usual. Rain much wanted in the Bhuddruck subdivision. The season has been favourable for cultivation in the Sudder. Rather more than 200 coolies employed on Talpada relief works.
CHOTA NAGPORE.			
South-West Frontier Agency.			
CHOTA NAGPORE DIV.	41 Hazaribagh April 19, '90	Nil	Weather—seasonable. <i>Mohua</i> still dropping; outturn poor in parts of the Giridi subdivision. Mango prospects less promising.
	42 Lohardugga „ 19, '90	Nil	Weather—seasonable. Reaping of <i>rubbi</i> crop completed. Prices steady.
	43 Singhbhum „ 19, '90	Nil	Weather—hot and muggy. Clouds come up almost daily, but pass off without rain. Cotton promises to yield a full crop in Dhalbhum. Sugarcane is being planted there. <i>Mohua</i> crop promises to be a 16-anna one except in Baharagora outpost, where some damage has been done to it. Prices easy.
	44 Manbhum „ 19, '90	Nil	Weather—hot and cloudy. No crops on the ground except sugarcane. Ploughing not yet begun, there having been no showers yet.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 22nd April, 1890.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE
HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL
DURING THE FORTNIGHT ENDING THE
15TH APRIL 1890.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN																					
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (Sorghum Vulgare.)									
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.							
BENGAL.																							
Western Districts.																							
		S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.		
1	Burdwan ...	14	8	14	0	14	8	...	...	...	13	8	13	8	13	14	16	14	16	14	16	2	
2	Bankoora ...	15	0	15	0	15	0	18	0	17	0	20	0	17	8	17	8	16	0	20	0	18	0
3	Beerbhoom ...	16	8	16	8	15	0	...	...	...	13	8	13	8	13	8	16	8	18	0	16	8	
4	Midnapore ...	14	0	13	0	10	0	17	8	15	0	...	...	14	0	15	0	16	0	17	8	18	12
5	Hooghly ...	13	0	13	0	13	0	...	...	...	8	0	8	0	10	0	14	0	14	0	13	0	
	Howrah ...	...	...	...	...	...	...	...	...	...	11	8	11	8	11	0	15	8	16	0	14	8	
Central Districts.																							
	Calcutta ..	13	5	13	6	13	2	17	8	16	3	18	12	8	14	9	0	9	9	13	9	13	15
6	24-Pergunnahs	14	8	13	12	13	8	20	0	16	0	20	0	8	0	8	0	8	0	15	8	16	0
7	Nuddea ...	15	0	15	0	16	0	19	0	20	0	22	13	12	5	12	5	13	5	12	10	12	10
8	Khoolna ...	...	...	...	...	...	...	...	...	...	...	13	0	12	8	13	4	14	8	14	0	14	0
9	Jessore ...	13	0	13	0	11	0	...	...	...	...	10	8	9	0	11	0	14	8	15	0	15	0
10	Moorshedabad	16	0	16	0	16	0	...	...	...	...	10	0	12	0	12	0	15	0	16	0	14	8
11	Dinapore ...	19	4	19	4	13	0	...	...	...	...	12	0	13	3	13	3	15	8	18	0	18	0
12	Rajahmhye ...	16	8	16	8	16	8	24	0	25	4	30	0	12	12	13	8	12	12	14	4	15	12
13	Rungpore ...	13	5	13	5	14	8	...	...	...	...	9	7	9	6	10	8	13	5	14	8	16	0
14	Bogra ...	13	8	12	6	17	10	...	...	...	...	12	0	12	0	13	14	16	8	16	8	18	12
15	Pubna ...	18	0	17	4	18	0	...	...	...	...	6	14	6	12	7	12	15	0	15	0	17	4
16	Darjeeling ...	9	0	10	0	6	0	10	0	9	0	10	0	6	0	6	0	6	0	12	0	12	0
17	Julpigoree ...	13	0	13	0	9	0	16	0	16	0	16	0	8	0	8	0	8	0	16	0	16	0
Eastern Districts.																							
18	Dacca ...	13	0	13	0	15	8	16	0	16	0	26	0	14	0	14	0	14	4	15	0	15	0
19	Furzedpore ...	14	0	14	0	20	0	20	0	20	0	25	0	9	0	10	0	10	0	13	0	15	0
20	Backergunge ...	...	...	...	...	...	...	...	...	...	...	12	8	12	8	10	8	14	0	14	0	12	0
21	Mymensingh ...	11	8	11	4	10	0	...	...	...	...	10	0	10	0	13	0	13	8	13	0	17	0

A In subdivisions retail prices of salt per rupee are:—Culina 10 seers, Cutwa 10 seers 6 chittacks, and Kaneegunge 10½ seers.

B At Rampore Hât retail price of salt 9 seers per rupee.

B1 In subdivisions retail prices of salt per rupee are:—Contai 9 seers, Tumlook 8 seers, and Ghattal 10 seers.

C In subdivisions retail prices of salt per rupee are:—Serampore 10 seers and Jehanabad 10½ seers.

C1 In subdivisions retail prices of salt per rupee are:—Baraset 9 seers, Basirhat 9 seers, Diamond Harbour (at Magrahat) 10 seers, Dum-Dum 10 seers, and Barrackpore 9 seers 2 chittacks.

D In subdivisions retail prices of salt per rupee are:—Koothea 10 seers, Meherpore 10 seers, Chooadanga 9 seers, and Ranaghat 9 seers 2 chittacks.

E At Setkhira retail price of salt 9 seers 13 chittacks per rupee.

F In subdivisions retail prices of salt per rupee are:—Jhenida 9 seers, Magura 9½ seers, Narail 9½ seers, and Bongong 10 seers.

G In subdivisions retail prices of salt per rupee are:—Lalbagh 10 seers, Jangipore 10 seers, and Kandi 11 seers.

Head-quarter Station Bazars of the Districts of Bengal on the 15th April 1890.

															WHOLESALE PRICES PER MAUND OF 40 SEERS.			DISTRICTS.
INDIAN-CORN OR MAIZE. (Zea Mays.)			ARHAR OR THUR, CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.						
Present return.	Next return.	Corresponding return of last year.	Present return.	Next return.	Corresponding return of last year.	Present return.	Next return.	Corresponding return of last year.	Present return.	Next return.	Corresponding return of last year.	Present return.	Next return.	Corresponding return of last year.				
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.				
															BENGAL.			
															Western Districts.			
...	20 0	20 0	18 0	100 0	100 0	107 0	A 10 0	10 0	10 2	3 11 0	3 11 0	3 11 3	Burdwan.			
30 0	35 0	21 8	20 8	20 8	18 0	280 0	280 0	280 0	B 10 0	10 0	10 0	3 15 0	3 15 0	3 4 0	Bankoora.			
...	19 8	12 12	...	160 0	160 0	160 0	C 10 0	10 0	9 12	3 14 0	3 14 0	4 0 0	Beerbhoom.			
...	15 0	14 0	14 0	160 0	160 0	160 0	BI 10 3	10 3	10 4	3 14 6	3 14 6	3 14 0	Midnapore			
...	11 0	11 0	13 0	120 0	120 0	120 0	C 9 0	9 0	9 0	3 11 6	3 11 6	3 11 6	Hooghly.			
...	13 4	13 4	13 4	100 0	100 0	100 0	10 0	10 0	10 8	3 12 0	3 12 0	3 10 6	Howrah.			
															Central Districts.			
18 0	18 4	...	16 13	16 14	17 7	100 0	100 0	98 0	10 5	10	10	3 9	3 10 2	3 9 6	Calcutta.			
...	18 0	18 0	16 0	100 0	100 0	100 0	CI 10 4	10 4	10 4	9 0	3 9 0	3 10 0	24-Pergunnahs.			
...	17 12	17 12	19 0	...	...	...	D 9 13	9 13	9 2	3 13 0	3 13 0	3 14 0	Nuddea.		
...	160 0	160 0	160 0	E 8 0	9 0	9 0	4 8 0	4 4 0	4 0 0	Khoolna.			
...	18 0	16 0	22 0	160 0	160 0	160 0	F 9 2	9 2	9 2	4 0 0	4 0 0	4 0 0	Jessore.			
...	18 0	18 0	20 0	200 0	200 0	200 0	G 10 12	10 12	10 0	3 12 0	3 12 0	4 0 0	Moorshedabad.			
...	15 8	15 8	11 0	160 0	160 0	160 0	H 9 8	9 8	9 8	4 0 0	4 0 0	3 15 0	Dinapore.			
...	17 5	20 12	23 8	240 0	240 0	240 0	I 9 0	9 0	9 9	4 2 8	4 2 8	4 0 0	Rajshahye.			
...	9 7	10 5	13 0	100 0	100 0	120 0	J 8 14	8 14	9 6	4 8 0	4 8 0	4 4 0	Rungpore.			
...	90 0	90 0	96 0	9 0	9 0	8 13	4 4 0	4 4 0	4 4 0	Bogra.			
...	18 12	19 0	20 10	200 0	200 0	200 0	K 8 11 1/2	9 7 1/2	9 2 1/2	4 0 0	3 15 0	4 0 0	Pubna.			
13 0	14 0	20 0	8 0	8 0	...	120 0	120 0	120 0	L 7 0	7 0	7 0	5 0 0	5 0 0	5 0 0	Darjeeling.			
...	13 0	13 0	9 0	128 0	128 0	128 0	M 9 0	9 0	9 0	4 2 0	4 2 0	4 2 0	Julpigoree.			
															Eastern Districts.			
...	14 0	14 0	16 0	160 0	160 0	120 0	N 9 8	9 8	10 0	4 2 0	4 2 0	3 14 0	Dacca.			
15 0	16 0	...	11 0	11 0	14 0	120 0	120 0	120 0	8 8	8 8	10 0	4 12 0	4 8 0	3 14 0	Furroedpore.			
...	Khesari husked.			120 0	120 0	120 0	O 10 0	10 0	10 0	4 0 0	4 0 0	4 0 0	Backergunge.			
...	10 0	10 0	16 0	...	...	...	P 9 8	9 4	10 0	4 3 0	4 3 0	4 0 0	Mymensingh.		

H At Thakurgaon retail price of salt 8 seers per rupee.

I In subdivisions retail prices of salt per rupee are:—Nattore 9 seers and Nowgong 9 seers 9 chittacks.

J In subdivisions retail prices of salt per rupee are:—Nilphamari 9 seers and Gaibanda 8 seers.

K At Serajunge retail price of salt 9 1/2 seers per rupee.

L At Siliguri wholesale price of salt Rs. 4-4 per maund.

M In the Alipore subdivision (at Faliacutta) retail price of salt 8 seers per rupee.

N In subdivisions retail prices of salt per rupee are:—Mauekgunge 8 seers, Moonsheegunge 8 seers 14 chittacks, and Narain-
gunge 10 seers.

O In subdivisions retail prices of salt per rupee are:—Patuakhali 9 seers, Pataspore 9 seers, and Bhola 8 seers.

P In the Kishoregunge, Jamalpore, Sherpore and Netrokona subdivisions retail price of salt 8 seers per rupee.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

Number.		DISTRICTS.	QUANTITIES PER RUPEE IN																	
			WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (Sorghum Vulgare.)					
			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
Eastern Districts—concluded.			S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.		
22	Chittagong ...	11 0	11 0	11 0	...	...	...	12 8	12 0	11 8	16 0	16 8	13 9	...	...	...	...	...
23	Noakholly ...	...	...	...	...	...	...	14 0	14 0	13 0	15 0	15 0	14 0	...	...	...	...	...
24	Tipperah ...	14 9 ³	14 9 ³	12 8	...	...	...	10 0	10 0	15 8	13 5	14 9	18 0	...	...	...	...	...
25	Chittagong Hill Tracts. Hill Tipperah...	...	...	...	...	...	...	12 7	12 7	13 5	13 14	13 14	14 8	...	...	...	...	...
		6 0	6 0	6 0	...	...	...	8 0	8 0	8 0	14 0	15 0	18 0	...	...	...	...	...
BEHAR.																				
26	Patna ...	17 0	16 12	...	25 0	24 0	25 0	10 8	10 8	10 0	17 8	18 2	14 5	19 0	21 0	22 0	...	...
		15 8	14 4	15 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	Gya ...	17 8	16 0	16 8	24 0	24 0	25 0	11 8	11 8	9 4	16 0	17 0	14 0	...	...	...	...	...
28	Shahabad ...	15 0	15 0	16 8	22 0	23 0	23 0	8 0	9 0	9 0	15 0	16 0	15 0	20 0	22 0	20 0	...	...
29	Durbhunga ...	16 8	12 0	13 11	26 0	19 12	18 4	11 0	11 0	9 9	16 8	18 0	14 13	...	...	18 4	...	...
30	Muzafferpore ...	16 0	14 0	14 0	24 0	30 0	25 0	9 0	11 0	10 0	16 0	17 0	12 8	...	...	...	...	...
31	Sarun ...	15 4	15 0	17 0	21 8	22 0	21 0	8 8	8 8	8 4	15 6	16 2	12 0	...	...	...	...	...
32	Chumparun* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
33	Monghyr ...	17 13	17 11	18 14	22 1	23 1	24 6	15 12	17 13	12 10	17 13	18 14	13 12	...	...	...	...	...
34	Bhagulpore ...	17 11	17 11	16 11	23 5	22 11	21 7	10 1	11 0	12 10	12 10	13 10	15 2	14 8	...	...	...	...
		...	...	...	...	...	...	Old.	...	...	Old.	...	...	...	...	...	...	...
		...	...	...	...	...	...	New.	...	...	New.	...	...	...	...	...	...	...
35	Purneah ...	16 0	14 0	16 0	...	...	26 0	17 0	18 0	13 0	18 0	19 0	16 0	...	...	...	...	...
36	Maldah ...	18 0	20 0	17 0	...	...	...	8 0	10 0	10 0	15 0	17 0	15 0	...	...	...	...	...
37	Sonthal Pergha. ...	13 0	13 0	13 0	...	...	...	13 0	13 0	14 0	16 0	17 0	16 0	...	...	...	...	...
ORISSA.																				
38	Cuttack ...	14 7	13 2	14 7	...	...	...	10 8	10 8	10 8	18 6	18 6	15 12	...	...	...	...	...
39	Pooree ...	11 13	10 8	11 13	...	...	...	14 7	15 12	11 13	21 0	22 10	15 12	...	...	...	...	...
40	Balasore ...	15 0	15 0	15 0	13 0	13 0	13 0	13 0	13 0	12 0	20 0	21 0	18 0	...	...	...	...	...
CHOTA NAGPORE.																				
South-West Frontier Agency.																				
41	Hazaribagh ...	14 0	13 0	14 0	13 0	13 0	17 0	10 0	10 0	8 0	17 0	16 8	15 0	...	...	...	...	...
42	Lohardugga ...	9 0	White. 9 0	11 0	23 0	24 0	16 0	14 8	14 0	13 0	16 0	16 0	14 0	...	...	...	...	...
		14 0	Red. 15 0	13 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
43	Singbhoom ...	10 0	10 0	14 0	10 0	10 0	16 0	16 0	16 0	14 0	20 0	20 0	22 0	...	...	...	...	...
44	Manbhoom ...	13 5	14 0	14 0	30 0	25 0	20 0	14 8	12 0	13 0	22 0	22 0	19 0	...	...	...	...	...

* Return not received.

† Price of common rice at Jajpore 22 seers 5 chittacks and at Kendrapara 23 seers 10 chittacks per rupee.

Q At Cox's Bazar retail price of salt 8 seers per rupee.

R At Fenny Hat retail price of salt 8 seers per rupee.

S In subdivisions retail prices of salt per rupee are:—Samsaram 10 seers, Bhabuah 8½ seers, and Buxar 10½ seers.

T At Samastipore retail price of salt 11 seers per rupee.

CALCUTTA,
The 22nd April, 1890.

PRICES PER MAUND

JOWAR OR CHOLU. (<i>Sorghum Vulgare</i> .)			BAJRA OR CUMBU. (<i>Pennisetum typhoides</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.
1 12 0	1 11 1	2 1 4	2 4 4	2 4 0	3 0 0
...
...
...
...
...
2 0 0	1 14 0	1 12 0	2 10 0	2 10 0	...
...
...
...

868a

KANGNI OR KAKUN, ITALIAN MILLET. (<i>Setaria italica</i> .)			GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (<i>Cicer arislinum</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.

...	...	...	12 4	12 0	11 0
...	...	...	12 0	12 0	12 0
...	...	...	13 5	14 9	16 0
...
...	...	...	12 0	12 0	10 0

20 0	22 0	15 8	24 0	24 8	25 0
15 0	15 0	12 8	20 0	20 0	21 0
...	...	...	23 0	23 0	23 0
14 0	...	...	20 0	23 0	22 1
...	8 0	...	21 0	23 0	20 0
16 0	16 0	12 0	21 8	22 4	21 4
...
...	...	...	25 14	25 12	24 6
...	...	...	20 3	20 3	21 7
...	...	...	20 0	16 0	16 0
...	...	...	22 0	20 0	24 0
...	...	...	17 0	17 0	18 8

...	...	...	15 12	15 12	21 0
...	...	...	14 7	14 7	15 12
...	...	...	14 0	14 0	13 0

...	...	...	17 0	18 0	15 0
...	...	...	15 8	16 0	13 0
...	...	...	10 0	10 0	12 0
...	...	...	18 0	19 0	15 0

866b

SEERS OF 80 TOLAHS.

BAJRA OR CUMBU. (<i>Pennisetum typhoides</i> .)			MARUA OR RAEL. (<i>Eleusine Corocana</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.

...
...
...
...
...
...
...
...

16 0	16 0	12 4	...	...	...
...
...
...
...
...
...
...
...
...
...	...	...	13 0	13 0	1
...

...
...
...
...

864

KANGNI OR KARUN, ITALIAN MILLET, (<i>Setaria italica</i> .)			GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (<i>Cicer arictinum</i> .)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.

S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	19 0	19 0	20 0
...	18 0	18 0	16 0
...	18 12	19 8	22 3
...	16 0	18 0	14 8
...	16 0	16 0	16 0
...	17 8	17 8	19 8

10 5	11 0	18 15	17 10	16 12	18 17
6 0	6 0	12 0	20 0	20 0	20 0
...	21 5	21 5	22 14
...	13 0	12 0	13 0
...	16 0	16 0	20 0
...	22 0	22 0	22 0
...	16 0	15 8	11 12
...	21 0	21 0	4 0
...	12 4	12 5	10 0
...	15 0	12 12	19 8
...	18 0	9 8	22 13
...	11 0	11 0	12 0
...	13 0	13 0	12 0

...	...	...	13 0	13 0	13 0
...	...	...	15 0	16 0	22 0
...	...	...	15 4	12 4	16 0
...	...	...	13 0	12 8	12 0

SEERS OF 80 TOLAHS.

BAJRA OR CUMBU. (<i>Pennisetum typho- ideum</i> .)			MARUA OR RAGI. (<i>Eleusine Corocana</i> .)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.

S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...
...
...
...
...

15 0	15 0	...	30 0	30 0	...
...
...
...
22 0	...	...	24 0	26 7	20 9
...
...
...
...
...
...
...
...

...
...
...
...

...	...	...	28 0	30 0	21 0
...	...	...	No sale.	40 0	25 0
...
...

OF 40 SEERS.

MARUA OR RAGI. (<i>Eleusine Corocana</i> .)			KANGNI OR KARUN, ITALIAN MILLET. (<i>Setaria italica</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
...	3 5 73	0 0 13	8
...
...
...
...
15 0	15 0	...	1 15	6 1	12 02 3 0
...
...
...

868b

Station Bazars of the Districts of Bengal on the 15th April 1890—(concluded).

												WHOLESALE PRICES PER MAUND OF 40 SEERS.			DISTRICTS.																
INDIAN-CORN OR MAIZE. (Zea Mays.)			ARHAR OR THUR. CABIAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.*																			
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.																	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.																	
...	...	...	...	...	...	110	0 110	0 108	0 10	Q	9 0	9 0	3 12	0 4	0 0	Chittagong.													
...	...	...	8 0	8 0	8 0	...	...	...	9 0	R	9 0	9 0	4 0	0 4	0 0	Noakholly.													
...	...	...	8 6½	8 6½	9 0	...	...	...	9 8½	9 8½	8 0	4 3	0 4	3 0	4 6	Tipperah.													
...	...	...	...	...	...	320	0 320	0 320	0 8	8 0	8 0	4 8	0 4	8 0	4 8	Chittagong Hill Tracts.													
...	...	...	8 0	8 0	8 0	...	...	...	8 0	8 0	8 0	4 6	0 4	6 0	4 6	Hill Tipperah.													
Eastern Districts—concluded.																															
22	0	24	0	19	0	24	0	22	0	23	0	130	0 130	0 130	0 10	0	10	0	10	0	10	0	3 13	0	3 14	0	3 12	0	Patna.		
...	...	...	...	21	0	21	0	21	0	160	0	160	0	200	0	9 2	9 2	9 2	4 2	0	4 2	0	4 2	0	4 2	0	4 2	0	Gya.
...	...	...	...	20	0	22	0	14	0	160	0	160	0	160	0	10 0	10 0	10 0	3 15	0	3 15	0	4 0	0	4 0	0	4 0	0	Shahabad.
22	0	24	0	20	9	22	0	18	0	21	2	160	0	160	0	11 0	10 0	11 6	3 10	2	3 14	0	3 14	5					Durbhunga.		
20	0	20	0	18	0	19	0	18	0	25	0	160	0	160	0	10 0	10 0	10 0	3 12	0	3 12	0	3 12	0	3 12	0	3 12	0	Mozufferpore.		
20	8	22	0	20	0	20	8	20	8	22	8	160	0	160	0	9 8	9 8	10 0	4 1	0	4 1	0	3 15	0					Safun.		
...	Chumparur.	
21	0	21	0	19	14	23	1	23	1	19	14	147	0	147	0	146	0	10 4	9 7	9 8	3 14	9	4 2	0	4 0	0	4 0	0	Monghyr.		
22	11	22	11	17	10	21	7	20	3	20	3	176	12	176	12	176	0	10 1	10 1	10 1	3 15	6	4 0	0	4 0	0	4 0	0	Bhagulpore.		
...	...	...	...	16	0	16	0	16	0	130	0	130	0	200	0	8 0	9 0	9 0	4 8	0	4 7	0	4 5	0					Purneah.
...	...	...	...	...	...	...	...	...	...	16½	0	160	0	160	0	9 0	9 8	9 8	4 0	0	4 0	0	4 0	0	4 0	0	4 0	0	Maldah.
24	0	24	0	18	0	20	0	20	0	22	0	200	0	200	0	9 0	9 0	9 0	4 0	0	4 0	0	4 3	0					Sonthal Pergas.		
ORISSA.																															
...	...	...	...	19	11	18	5	18	6	80	0	80	0	80	0	11 0	11 0	8 0	3 12	0	3 12	0	4 7	0					Cuttack.
...	...	...	...	15	12	14	7	13	2	80	0	80	0	80	0	11 13	11 13	11 13	3 6	0	3 6	0	3 6	0					Pooree.
...	...	...	...	...	...	...	...	...	...	160	0	160	0	160	0	10 0	10 0	9 0	3 14	0	3 14	0	4 0	0					Balasore.
CHOTA NAGPORE.																															
South-West Frontier Agency																															
22	0	22	0	16	0	21	0	118	0	18	0	320	0	320	0	8 0	8 0	8 0	4 4	0	4 4	0	4 8	0					Hazaribagh.		
34	0	30	0	Large. 18 0 17 0 Small. 28 0 26 0		} 16,0 12 0 } 120 0 140 0		120	0	120	0	140	0	8 12	9 0	8 8	4 8	0	4 7	0	4 9	0								Lohardugga.	
12	0	16	0					14	0	14	0	16	0	240	0	240	0	200	0	8 8	8 8	7 0	4 12	0	4 12	0	5 8	0			
29	0	29	0	30	0	21	0	30	0	17	0	200	0	200	0	9 2	9 2	8 0	4 0	0	4 0	0	4 2	6					Manbhoom.		

U In subdivisions retail prices of salt per rupee are :—Hajipore 9½ seers and Sitamarhi 10 seers.

Y In subdivisions retail prices of salt per rupee are :—Begusarai 9½ seers and Jamui 9 seers.

W In subdivisions retail prices of salt per rupee are :—Kishengunge 8 seers and Arrareah (at Ranigunge) 10 seers.

X At Bhudruk retail price of salt 9 seers per rupee.

Y At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 11 9	2 11 10	2 12 5	2 0 5	2 3 7	1 14 0	4 4 0	4 3 6	3 14 8	2 11 0	2 9 9	2 8 0
2	Serajgunge ...	2 8 0	2 7 0	2 8 0	...	...	...	4 14 0	4 10 0	3 10 0	3 1 0	2 14 0	2 8 0
3	Dacca ...	3 0 0	3 0 0	2 8 0	2 7 0	2 7 0	1 8 0	2 13 0	2 13 0	2 12 0	2 10 0	2 10 0	2 8 0
4	Naraingunge ...	...	...	...	...	...	...	3 0 0	3 0 0	2 8 0	2 12 0	2 12 0	2 6 0
5	Chittagong ...	3 8 0	3 8 0	3 9 0	...	...	...	3 0 0	3 4 0	3 6 0	2 8 0	2 7 7	2 15 0
6	Patna ...	{ 2 5 3 Red. 2 9 0 White.	2 5 9	...	1 9 3	1 10 0	1 9 0	3 12 0	3 12 0	3 12 0	2 4 0	2 3 0	2 12 0
			2 12 6	2 10 0									
7	Balaore ...	2 8 0	2 8 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	1 14 0	1 11 0	1 14 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	1 14 0	1 11 0	2 4 0
9	Cuttack ...	2 10 0	3 0 0	2 10 0	...	...	...	3 10 0	3 10 0	3 10 0	2 2 0	2 2 0	2 5 0

Calcutta,
The 22nd April, 1890.

in the undermentioned *Marts* of Bengal on the 15th April 1890.

GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (<i>Cicer Arietinum</i> .)			INDIAN-CORN OR MAIZE. (<i>Zea Mays</i> .)			ARHAR OR THUR. CADJAN PEA. (<i>Cajanus indicus</i> .)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 0 0	2 1 11	1 15 0	1 14 9	1 15 2	...	2 1 5	2 1 3	2 1 0	0 5 6	0 5 6	0 5 10	3 9 5	3 10	2 3 9 6	Calcutta.
2 9 0	2 4 0	2 7 0	...	...	...	...	...	...	...	...	...	3 14 0	3 14 0	3 13 0	Serajgunge.
3 0 0	3 0 0	3 0 0	...	...	...	2 12 0	2 12 0	2 8 0	0 4 0	0 4 0	0 5 0	4 2 0	4 2 0	3 14 0	Dacca.
2 12 0	3 0 0	3 0 0	...	...	...	3 0 0	3 2 0	3 2 0	0 8 0	0 8 0	0 10 0	3 12 0	3 12 0	3 12 0	Naraingunge.
3 2 0	3 4 0	3 8 0	...	...	...	...	...	...	0 6 0	0 6 0	0 5 0	3 12 0	4 0 0	4 0 0	Chittagong.
1 10 3	1 9 6	1 11 3	1 12 0	1 10 0	2 1 0	1 10 3	1 12 0	1 11 6	0 5 0	0 5 0	0 5 0	3 13 0	3 14 0	3 12 0	Patna.
2 12 0	2 12 0	2 14 0	...	...	...	...	...	...	0 4 6	0 4 6	0 4 6	3 14 0	3 14 0	4 0 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 6 0	3 6 0	3 6 0	Poorce.
2 5 0	2 5 0	1 11 0	...	...	...	2 0 0	2 0 0	2 0 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	4 7 0	Cuttack.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the month of January, 1890.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.							FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.		TOBACCO.	
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny bags.†	Linseed.	Mustard seed.				Refined.	Unrefined.	Unmanufactured.	Manufactured.
	Rice.	* Paddy.	Total (in rice).															
BENGAL.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burdwan	1,41,118	3,237	1,44,355	60	645	23	1,45,016	253	16,790	858	262	440	269	6	299			
Roerthoom	1,79,134	808	1,80,942	66	217		1,80,430		9,135		307		483					
Midnapore	2,86,074	21,032	3,07,106	226	2,172		3,09,278	685	1,054	203			465	166	0			
Hoochly	70,727	3,243	73,970	830	4,211	5	78,687	77,680	371,189	1,783	4		619	84	3,576	6,766		
24 Pargunnahs	4,26,040	30,292	4,56,332		6,891		4,63,223	1,16,489	302,142				1,938	4,531	33,384	2,801		
Nudda	3,545	14	3,559	7,248	64,146	1,074	77,068	26,777	3,610	4,743	645		192	12	5,353	1,833		
Khulna	26,904	10,925	37,829				38,791	13,773					2					
Jessore	58,428	17,375	75,803		694		64,084	64,710	383	225	41							
Moorshedabad	29,640		29,640	3,422	4,393	6.8	38,083	2,742	103	1,343	2.3		791	48	24,568	1,162		
Dinapore	5,542		5,542		208		5,750	14,518	114,345		282							
Rajshahye	1,071	60	1,131		1,269		2,929	16,518		797	408		266					
Ranpore	49		49				49	2,40,850			2,015	187	14				17,787	
Bogra	9,426		9,426				9,426	6,743	420		225							
Patna					2,036		2,036	3,89,789	485,329	1,933	7,543	2	4				1,621	
Darjeeling								15,417	85,739		287	3,521						
Jalpigore								1,03,959	188,405		672	11,584					840	
Dacca	4,385		4,385		828		5,213	3,78,733	840		221	2,740						
Farrakpore	11,432	700	12,132		4,327		16,196	2,10,444	665	306	3,251	94	859	5	100	643		
Backergunge	9,40,543	1,200	9,50,295				9,50,295	8,943										
Mymensingh	1,173		1,173		460		1,576	2,01,262										
Tippurah	13,230		13,230		260		13,490	1,450										
Chittagong																		
Noakholy	28,018		28,018		100		28,118	1,450		148			500					
Total of Bengal	22,46,765	97,841	23,44,606	12,591	92,463	2,639	24,15,599	19,02,229	1,581,181	12,692	16,579	10,960	7,833	2,365	4,725	68,925	33,113	1
BEHAR.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Patna	1,159		1,159	1,899	22,845	917	26,824		1,040	16,479	2,159	1	5	15	4,380	955	1	
Gya	3		3	4,342			4,345		289			5	6		18,613			
Shahabad				5,947	13,217	10	17,174		210	2,018	805				15,433			
Mounseepore					4,210		4,210			400	1,819				219			
Durbhanga	2,194		2,194	400	976		3,570		490	16,751	5,351					245		
Sarun	478		478	1,035	895	897	3,278		245	2,834	2,357				463			
Champaran									455	11,020	1,010							
Monghyr	1,600		1,600	4,255	19,344		25,200		1,540	11	1,849	191			7			
Bhagalpore	2,392		2,392	10,836	7,619	3,891	22,346	910	525	1,892	8,069		15		345			
Purneah	13,919		13,919	2,635	2,238		18,872	19,800	9,205	1,020	7,885				765			
Maldah	1,419		1,419	6,957	1,296		9,472	7,071		163	706		166		9			
Sonthal Pergunnahs.	13,116		13,116	8,347	11,693	1,486	34,642	5,135	3,430	2,500	30,943		14					
Total of Behar	38,400		38,400	40,723	80,970	11,927	1,77,520	56,870	17,420	55,118	63,251	1	212	43	39,500	1,974	1	
ORISSA.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Cuttack	210		210				210	3,640										
Balasore	75,844	2,819	77,663		110		77,773	14,513	2,335		347						311	
Total of Orissa	76,054	2,819	77,873		110		77,926	14,528	2,335		347						311	
CHOTA NAGPORE.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Hazaribagh	1		1		14		15		1,555	2,731	340		13					
Manbhoim	4,263		4,263				4,263		70									
Total of Chota Nagpore.	4,264		4,264		14		4,278		1,575	2,731	340		13					
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal.	23,65,433	1,00,661	24,66,094	62,314	1,72,547	14,667	26,75,323	19,37,502	1,602,461	67,810	82,098	17,356	8,065	2,418	4,740	1,08,485	55,398	1
OTHER PROVINCES.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Assam	4,283		4,283		56,327		6,0610	53,044		88	22,816	84,809	6,163	603				
North-Western Provinces and Oudh.	10		10	71,603		3,908	74,521		14,385	20,119	35,273	1,41,909	6	63	5,890			
Punjab	2		2	9,000	1,558	4,335	14,795		1,330		123	12,761			8	1		
Central Provinces				4,350	784		5,134			1,292			30					
Kajputana States				305	11		319			541		7,533						
Souby									20,200			16,994		12				
Madras	5	10	15		6,478		6,493				1			6,519		127		
Mysore																		
Burmah	2,091		2,091	1,394	204		3,689					6,205						
Other places	25		25		20	10	61	15	1,800		25		10	34,043	16,454			
Grand Total 1890 of Imports	23,69,899	1,00,670	24,70,569	1,46,007	2,39,372	21,335	28,40,692	20,10,625	1,640,176	89,650	1,40,497	1,02,750	1,00,390	3,127	45,977	1,39,838	55,520	
in Jan. 1889	20,16,564	1,90,320	22,06,884	96,066	2,18,167	11,299	23,61,613	14,30,545	1,711,132	2,08,970	65,056	64,209	1,40,441	1,572	42,878	1,04,453	12,610	3

* One maund of paddy is equivalent to 25 seers of rice. † Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of January, 1890, was as follows:—

EXPORTED FROM CALCUTTA--																	
To Indian ports, viz.—																	
Bombay ...	3,21,127	30	3,22,146	652	3,22,708	5	922,400	3,377	509								
Madras ...	1,224		1,224	532	21,912	298	23,606	649	16								
Other ports in India ...	1,51,716	3,744	1,54,056	4	1,448		1,85,508							17	5		
Burmah ...	4,773		4,773	4,207	15,838	2,676	27,494	253	2,639,007			84	147	14	350	105	10,566
Other Indian ports ...	1		1	847	3,570		4,418		500,925							1,607	7,215
Pondicherry ...				20	260				58,000								2,708
Sind ...	499		499				499					5					
Total of Inter-port trade ...																	
	5,10,340	3,774	5,12,039	5,610	43,680	2,674	5,64,935	258	4,618,942	4,026	614	147	100	2,032	7,320	13,274	
To Foreign ports—																	
United Kingdom ...	2,25,579		2,25,579	20,170	3,591		2,58,342	9,45,062	786,000	55,463	32,480	1,11,735	15,060	278			
Other Foreign ports ...	8,53,036	2,435	8,55,458	1,402	37,691	1,199	8,95,760	6,14,350	6,871,129	1,10,675	95	4,854	1,11,256	1,375	248	67	478
Total of Foreign trade ...																	
	10,79,615	2,435	10,81,037	30,572	41,781	1,199	11,54,092	15,59,412	7,657,729	1,66,138	32,575	1,12,889	1,36,916	1,653	248	67	478
Grand Total 1890 of Exports ...																	
	15,39,505	6,209	15,39,736	36,182	54,961	4,173	17,19,085	16,30,070	12,276,671	1,66,138	36,651	1,17,303	1,37,063	1,783	2,280	7,387	13,732
Grand Total 1889 ...																	
	15,58,902	3,327	15,61,000	39,880	1,18,732	8,267	15,14,879	16,94,076	9,100,321	6,04,923	1,052	97,226	88,428	1,176	2,959	807	26,344

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of January, 1890.

IMPORTS INTO CALCUTTA.

SPECIFICATION OF ROUTES.	FOOD-GRAINS.					FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.		TOBACCO.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.				Refined.	Unrefined.	Unmanufactured.	Manufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ...	17,90,173	89,430	25,634	71,472	2,543	6,30,777	707,191	13,767	13,454	.....	3,037	376	626	33,007	8,722	1,585
" river steamers ...	34,154	765	.....	2,068	.....	4,22,544	.....	445	20,948	82,767	6,138	326	.....	3	474	.....
" East Indian Railway.	3,71,656	3,731	1,21,033	1,32,034	18,888	57,617	61,880	72,216	93,535	1,886	1,62,069	1,430	79	45,465	1,162	237
" Eastern Bengal State Railway.	16,280	60	.....	19,785	80	7,75,221	819,245	1,222	12,404	17,363	3,393	1,035	.....	7,447	20,752	.....
" road ...	71,172	3,855	.....	6,115	.....	1,12,590	27,800	.....	.....	90	4,000	27,563	4,308	831	.....	.....
" sea ...	77,464	2,829	.....	7,898	324	12,476	24,050	.....	156	1,294	17,973	10	41,175	10,454	203	597
Grand Total of Imports in January.	23,69,899	1,00,670	1,46,667	2,39,372	21,835	20,16,625	1,640,176	89,650	1,40,497	1,02,750	1,93,399	3,127	43,377	1,30,838	33,326	3,241
	26,16,564	1,90,320	96,666	2,18,167	11,206	14,30,545	1,711,132	2,68,770	65,056	64,390	1,40,441	1,572	42,878	1,04,453	19,619	30,644

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of January, 1890.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.	Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.				European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.		Rs.	Rs.	Mds.	Mds.	Mds.	No.
BENGAL.													
Burdwan ...	1,67,613	.....	614	907	41,813	78,206	CHOTA NAGPORE.	.....	.....	.....	.....	.....	.....
Beerbhoom ...	1,22,233	3,060	132	728	17,432	113,890	Hazaribagh ...	58,327	.....	2	57	9,036	.....
Midnapore ...	1,71,890	.....	2,435	.....	19,900	10,930	Lohardugga ...	.....	.....	.....	.....	.....	4,025
Hooghly ...	1,03,946	7,515	696	127	2,711	25,760	Sinabhoom ...	11,529	.....	3	151	.....	1,016
24-Pergunnahs ...	1,48,347	6,705	359	.....	12,568	17,879	Manbhoom ...	82,989	.....	31	1,469	9,024	12,775
Nudda ...	2,78,298	.....	1,300	.....	18,425	49,844	Total of Chota Nagpore ...	1,52,145	.....	36	1,617	18,690	17,815
Khulna ...	77,966	.....	79	.....	4,402	245	Grand total of supplies into the Provinces under the Lieutenant-Governor of Bengal ...	69,71,468	30,964	12,666	16,601	5,97,394	12,49,344
Jessore ...	51,923	880	967	29	17,442	11,360	OTHER PROVINCES.	.....	.....	.....	.....	.....	.....
Moorsshedabad ...	1,28,583	.....	252	.....	12,183	12,183	Assam ...	5,84,016	.....	702	663	57,548	6,906
Dinapore ...	1,34,190	.....	94	.....	8,441	42,397	North-Western Provinces and Oudh ...	11,72,241	32,010	3,469	921	29,974	215,600
Rajshahiye ...	3,01,833	.....	268	.....	12,944	6,860	Punjab ...	5,13,614	770	903	34	347,410	347,410
Rangpore ...	1,91,142	.....	46	.....	8,195	53,410	Central Provinces ...	21,735	.....	292	7	108,320	108,320
Boara ...	1,69,155	.....	127	.....	26,406	3,830	Rajputana States ...	21,831	110	169	.....	1,015	1,015
Palna ...	61,488	.....	104	12	4,774	1,015	Bihar ...	693	.....	.....	.....	.....	.....
Darjeling ...	87,570	.....	198	.....	6,747	1,015	Nizam's Territory ...	126	.....	.....	.....	.....	.....
Dacca ...	6,31,839	.....	2,332	.....	31,611	4,780	Bombay ...	578	660	.....	28	922,400	922,400
Purandapore ...	2,33,163	.....	523	.....	31,335	2,765	Madras ...	29,442	.....	129	1,703	631,550	631,550
Backergunge ...	1,43,484	.....	1,066	.....	33,150	2,975	Pondicherry ...	.....	.....	.....	.....	58,000	58,000
Mymensingh ...	85,227	.....	5	.....	16,775	173	Burmah ...	2,38,528	400	425	1,001	2,639,067	2,639,067
Chittagong ...	90,840	.....	32	.....	8,450	.....	Other places ...	39,875	1,477	40	6,117	7,657,729	7,657,729
Noakholly ...	.....	.....	.....	.....	2,800	66,100	Grand Total of Exports in Jan. 1890 ...	84,33,341	66,391	18,696	27,115	6,85,131	13,839,025
Total of Bengal ...	34,54,823	10,060	11,801	1,493	3,53,129	527,714	Exports in Jan. 1889 ...	1,01,69,738	26,172	23,582	12,365	6,32,454	10,521,436
BEHAR.													
Patna ...	2,04,341	550	166	283	22,542	95,950	IMPORTED INTO CALCUTTA.						
Gya ...	1,36,332	770	117	595	13,648	19,005	From Foreign Ports—	Rs.*	Rs.	Mds.	Mds.	Mds.	No.
Shahabad ...	2,53,764	5,000	2	851	22,555	24,080	United Kingdom ...	1,02,26,229	.....	6,487	.....	2,53,363	.....
Moruffpore ...	1,23,254	880	20	42	8,119	3,220	Other Foreign ports ...	81,651	.....	7,253	.....	4,04,367	1,800
Durbhanga ...	2,01,516	.....	13	1,209	32,969	51,380	Total of Foreign Trade ...	1,03,07,880	.....	13,740	.....	7,17,875	1,800
Barun ...	1,09,548	.....	38	165	9,625	1,715	From Indian Ports—	.....	.....	.....	.....	.....	.....
Chumpanun ...	3,81,969	1,320	40	56	14,735	10,570	Bombay ...	18,058	1,653	7	8,065	5,275	20,200
Mouhgyr ...	71,568	.....	3	392	13,317	34,990	Other ports in Bombay ...	.....	.....	.....	.....	29,014	29,014
Bhagnipore ...	3,03,471	1,540	67	495	25,064	68,435	Madras ...	.....	2,400	.....	.....	1,200	1,200
Yarnah ...	1,49,688	.....	196	464	18,831	20,345	Other ports in Madras ...	.....	.....	5	123	5,020	5,020
Makah ...	.....	.....	.....	.....	7,005	3,400	Burmah ...	6,900	1,412	.....	.....	.....	.....
Sonthal Pergunnahs ...	5,16,134	1,650	167	832	17,491	71,500	Other Indian ports ...	.....	.....	.....	39	.....	2,000
Total of Behar ...	23,36,985	11,770	829	5,314	2,05,833	401,490	Total of Interportal Trade ...	24,918	5,465	12	8,226	40,509	22,260
ORISSA.													
Cuttack ...	2,000	134	.....	656	.....	35,750	Grand Total of Im- f 1890 ...	1,03,32,338	5,465	13,732	8,226	7,88,394	24,020
Pooree ...	.....	.....	.....	.....	.....	3,750	ports in Jan. 1889 ...	1,42,61,904	1,07,360	24,901	11,519	7,05,208	9,610
Balasore ...	1,25,510	.....	.....	7,121	19,972	202,825	* As per tariff declaration value.						
Total of Orissa ...	1,27,510	134	.....	7,777	19,972	302,325							

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of January, 1890.

SPECIFICATION OF ROUTES.	COTTON PIECE-GOODS.		COTTON TWIST.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
By country boats ...	1,48,650	7,515	3,628	.....	2,50,948	116,167
" river steamers ...	6,57,411	.....	1,700	663	27,809	37,360
" East Indian Railway ...	43,37,928	50,100	6,427	9,072	3,08,638	1,252,065
" Eastern Bengal State Railway ...	26,38,735	.....	6,795	.....	74,210	150,225
" road ...	1,84,393	6,705	519	114	4,219	6,582
" sea ...	5,33,204	2,011	627	16,666	19,877	16,335,661
Grand Total of Exports in January ...	84,93,341	66,391	18,696	27,115	6,85,121	17,898,016
	1,01,09,738	26,172	23,582	12,365	6,32,454	10,521,436

STATISTICAL DEPARTMENT,
The 19th January, 1890.

P. NOLAN,
Secretary to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.															
			District.	Representative station.	AIR PRESSURE.			WIND.		TEMPERATURE.								
					Mean barometric height, 8 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean, 8 A.M., temperature.
OCEAN.			Pooree	Pooree	29.797	29.800	—	SW	309	88.7	17th April	76.1	17th April	87.4	79.1	83.2	—	81.3
SOUTH-WEST BENGAL.			Gopalpore	Gopalpore	29.774	29.796	—0.041	SSW	507.4	86.7	18th	77.8	17th	85.1	79.1	83.1	—0.6	81.4
			False Point	False Point	29.796	29.818	—0.022	SW	408.9	89.3	18th	77.1	17th	88.6	79.0	83.8	—0.4	82.8
			Cuttack	Cuttack	29.731	29.812	—0.013	SW	126.7	104.4	16th	77.3	18th	101.1	78.8	90.9	—0.6	83.7
			Balasore	Balasore	29.734	29.793	—0.032	SSW	276.1	102.5	14th	74.8	15th & 17th April	97.0	76.7	86.9	+0.7	82.6
			South-West Midnapore } South 24-Pergunnahs }	Saugor Island	29.781	29.807	—0.023	SSW	610.9	91.2	18th	81.0	18th, 16th & 18th April	90.6	81.4	86.0	+0.6	84.3
EAST BENGAL.			Midnapore	Midnapore	29.634	29.784	—0.031	S	155.7	107.4	15th	75.1	13th, 17th April	104.9	76.8	90.9	+1.0	84.1
			24-Pergunnahs	Calcutta	29.765	29.787	—0.032	SW	222.0	101.4	16th	74.2	18th	93.1	77.2	86.1	0	82.2
			Howrah	Howrah	29.659	29.760	—0.042	SSE	149.3	106.2	12th	75.9	18th	104.6	77.3	90.9	+2.5	82.0
			Hooghly	Hooghly	29.445	29.745	—0.041	S	109.6	110.1	14th	75.6	16th	107.6	77.8	92.7	+3.7	84.5
			Burdwan	Burdwan	29.438	29.771	—0.037	Southerly	97.7	108.5	18th & 14th April	76.8	16th	107.4	77.6	92.5	+3.5	83.3
			West Burdwan	West Burdwan	29.692	29.760	—0.046	S	172.8	106.2	15th	71.8	18th	104.5	76.3	90.4	+2.3	80.1
			Moorsheadabad	Berhampore	29.721	29.760	—0.029	SSE	213.0	105.8	12th	71.4	18th	103.7	76.6	90.2	+4.2	83.1
			Nodda	Krishnagar	29.753	29.787	—0.039	SE	108.6	106.8	15th	68.5	18th	95.5	76.8	87.7	+0.2	82.3
			Jessore	Jessore	29.786	29.877	—0.011	SE	225.8	89.1	13th to 16th April	69.0	16th & 17th April	88.8	73.6	81.2	—0.2	80.5
			Chittagong	Chittagong	29.786	29.877	—0.011	SE	225.8	89.1	13th to 16th April	69.0	16th & 17th April	88.8	73.6	81.2	—0.2	80.5
NORTH BENGAL.			Chittagong Hill Tracts	Demagiri	29.808	29.820	—0.015	S	206.9	92.3	17th April	67.9	18th	91.1	76.2	83.6	+0.2	81.8
			Backergunge	Barrisal	29.828	29.872	+0.005	S	232.2	90.9	18th	66.9	17th	89.1	74.7	81.9	—1.2	81.7
			Noakhally	Noakhally	29.764	29.804	—0.004	S	240.0	93.5	16th	69.9	18th	99.9	75.3	82.9	—1.9	80.9
			Furreedpore	Furreedpore	29.783	29.806	—0.030	Southerly	364.9	95.1	14th	66.2	18th	93.6	75.4	83.5	+1.1	80.3
			Dacca	Dacca	29.801	29.837	—0.016	S	253.8	93.8	13th	67.3	17th, 18th April	92.5	72.8	82.7	—0.3	80.4
			Commillah	Commillah	29.732	29.811	—0.016	ESE	194.2	98.8	15th	68.1	18th	91.7	72.1	81.9	—0.5	79.3
			Mymensingh	Mymensingh	29.708	29.771	—0.014	SE	164.1	105.1	13th	68.7	18th	100.5	75.1	87.8	+2.4	80.2
			Bogra	Bogra	29.739	29.788	—0.031	S, SE	158.1	97.9	14th	68.6	18th	94.5	75.8	84.2	—0.6	78.5
			Pubna	Serajgunge	29.698	29.760	—0.028	SSW, SE	191.1	104.0	14th, 15th April	65.2	18th	100.0	75.2	87.6	+1.6	81.0
			Rajshahye	Rampore Beaulah	29.697	29.779	+0.017	Southerly	83.9	106.8	13th	74.2	16th	102.8	75.7	84.4	+4.1	83.2
SOUTH BENGAL.			Maldah	Maldah	29.659	29.771	—0.002	ENE	160.9	104.6	15th	73.1	12th	100.1	74.6	87.3	+2.7	81.3
			Dinapore	Dinapore	29.667	29.794	—0.017	S & E	72.3	102.8	13th	67.1	18th	98.0	72.9	85.4	+3.8	77.3
			Rangpore	Rangpore	29.460	29.787	—0.016	?	158.1	95.2	13th	67.8	16th	89.7	70.7	80.3	+0.6	77.1
			Jalpigoree	Jalpigoree	29.460	29.787	—0.016	?	158.1	95.2	13th	67.8	16th	89.7	70.7	80.3	+0.6	77.1
			Cooch Behar	Cooch Behar	29.460	29.787	—0.016	?	158.1	95.2	13th	67.8	16th	89.7	70.7	80.3	+0.6	77.1
			Darjeeling Hill Tracts	Darjeeling	22.919	—	—	Easterly	271.3	65.9	16th	44.9	18th	63.1	48.8	56.4	+0.8	56.5
			Purneah	Purneah	29.629	29.736	—0.036	ENE	129.6	105.8	13th	66.5	13th	101.4	71.7	86.6	+2.5	82.5
			North Bhagulpore	North Bhagulpore	29.629	29.736	—0.036	ENE	129.6	105.8	13th	66.5	13th	101.4	71.7	86.6	+2.5	82.5
			Mozufferpore	Mozufferpore	29.577	29.745	—0.051	Variable	144.7	103.9	14th April	?	?	100.8	?	?	?	85.0
			Durbhanga	Durbhanga	29.515	29.745	—0.034	Variable	225.1	104.2	13th, 14th April	64.8	12th April	101.5	69.7	85.6	+2.2	79.2
CHUTIA NAGPUR.			Champanua	Motihari	29.539	29.732	—0.046	Westerly	53.1	102.3	13th, 14th April	70.7	17th	102.6	72.8	87.7	+2.1	84.8
			Saran	Chupra	29.412	29.765	—0.017	SSW	171.6	108.4	14th	74.5	15, 17	106.7	76.8	91.8	+3.9	87.6
			Shahabad	Dehree	29.505	29.747	—0.037	Variable	151.9	105.9	18th	72.8	16th	104.2	75.2	89.9	+3.0	84.2
			Arrah	Arrah	29.557	29.782	—0.041	WNW	123.1	106.2	13th	70.4	16th	104.2	74.6	89.8	+2.7	85.2
			Gya	Gya	29.374	29.748	—0.048	W	137.1	108.9	14th	75.8	15th & 16th April	106.6	79.1	92.3	+4.3	80.1
			Patna	Bankipore	29.556	29.739	—0.059	ENE	123.6	109.3	14th	70.2	16th	105.6	76.1	90.8	+3.5	85.9
			South Bhagulpore	Bhagulpore	29.571	29.733	—0.046	Calm & easterly	74.3	106.3	14th	70.0	16th	102.7	73.8	88.2	+2.0	83.1
			Monghyr	Monghyr	29.248	29.743	—0.049	SE	138.2	105.4	13th	73.8	16th	105.4	75.4	90.9	+1.9	85.5
			South Pergunnah	Doonka	27.776	29.751	—0.041	SW	251.5	103.1	14th	74.7	16th	101.5	76.1	88.7	+3.8	86.1
			Hazaribagh	Hazaribagh	27.606	29.756	—0.032	SW	154.9	101.2	14th, 17th April	71.4	16th	100.3	74.5	87.4	+3.2	86.1
Lohardugga	Lohardugga	27.606	29.756	—0.032	SW	154.9	101.2	14th, 17th April	71.4	16th	100.3	74.5	87.4	+3.2	86.1			
Manbhum	Manbhum	27.606	29.756	—0.032	SW	154.9	101.2	14th, 17th April	71.4	16th	100.3	74.5	87.4	+3.2	86.1			
Singbhum	Chyabansa	29.006	29.759	—0.033	W & WSW	63.6	107.8	18th	75.7	18th	107.0	75.6	92.9	+3.2	87.1			

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the 10 years. The humidity of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by c and an overcast sky by 10. The normal means of the numerical means or average of the rain-fall in that district determined from the returns sent in by the subdivisional station for the period in question during the 10 years in the district ending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 18th of April 1890.

DISTRICT OBSERVATIONS.																		
Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	OF WEEK.		RAINFALL.									Representative station.	DISTRICT.			
			Mean for district.	Normal mean.	Since 1st of month.			Since 15th May 1889.			Average number of rainy days.	Normal number of rainy days.						
					Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.								
88	4.7	Nil	0.02	0.13	0.02	0.58	-0.56	77.61	57.82	+19.79	0.3	0.7	Pooree	Pooree				
83	2.3	0.08											Gopalpore					
82	7.4	Nil											False Point					
74	4.9	Nil	0.06	0.24	0.06	0.50	-0.44	68.36	54.55	+14.01	0.4	0.7	Cuttack	Cuttack				
82	0.9	1.01	0.15	0.39	0.15	0.82	-0.66	52.69	56.46	-3.77	0.3	0.6	Balasore	Balasore				
83	0.4	Nil	Nil	0.31	Nil	0.55	-0.55	52.97	65.56	-5.59	0.0	0.7	Saugor Island	South-West Midnapore				
78	1.6	Nil	Nil	0.34	0.19	0.62	-0.43	47.61	54.51	-7.20	0.0	0.6	Midnapore	South 24 Pargunnahs				
79	4.0	Nil	Nil	0.37	0.01	0.72	-0.71	54.70	55.13	-0.43	0.0	0.7	Calcutta	24 Pargunnahs...				
71	3.3	Nil	0.43	0.50	0.56	0.88	-0.32	45.05	50.04	-4.99	0.7	1.0	Burdwan	Howrah				
61	0.9	Nil	Nil	0.16	Nil	0.44	-0.44	56.82	54.54	+2.28	0.0	0.5	Bankoora	Hooghly				
65	0.7	Nil	0.26	0.27	0.56	0.50	+0.06	53.71	53.75	-0.04	0.3	0.6	Raneegunge	Reerbhoom				
83	4.0	Nil	0.84	0.36	0.91	0.67	+0.24	52.40	52.93	-0.53	0.5	0.7	Berhampore	West Burdwan				
73	3.7	Nil	0.24	0.57	0.73	1.30	-0.57	52.75	53.23	-0.48	0.6	0.8	Krishnagur	Moorsheadabad				
81	4.7	0.95	0.55	0.66	0.97	1.34	-0.37	55.53	57.88	-1.95	1.1	1.0	Jessore	Nuddea				
80	4.6	1.80	2.07	0.45	2.17	0.94	+1.23	103.07	117.50	-12.43	3.0	1.0	Chittagong	Jessore Khoolna				
				0.57	0.43	1.77	-1.34	70.32	87.04	-16.72	1.0	1.0	Demagiri	Chittagong				
81	3.6	0.74	0.93	0.57	1.00	1.18	-0.13	79.91	81.40	-1.49	1.0	0.9	Barrisal	Chittagong Hill Tracts				
77	2.4	0.53	0.87	0.57	0.66	1.89	-0.93	94.05	113.83	-19.18	2.0	0.9	Noakholly	Backergunge				
84	5.1	0.25	0.17	0.65	0.93	1.46	-0.53	64.54	61.09	+3.45	1.3	1.0	Furreedpore	Noakholly				
80	5.4	2.18	2.41	0.63	3.06	1.84	+1.22	81.00	65.70	+15.30	2.0	1.0	Dacca	Furreedpore				
76	5.6	1.75	1.75	0.84	3.20	2.18	+0.62	60.64	70.53	-15.89	2.8	1.3	Commillah	Dacca				
83	7.6	0.61	1.11	0.72	2.20	1.49	+0.71	93.48	71.87	+21.61	1.8	1.2	Mymensingh	Tipperah				
76	4.0	1.47	0.92	0.19	1.04	0.54	+0.50	67.43	59.65	+7.78	1.0	0.5	Bogra	Mymensingh				
84	5.4	0.75	0.69	0.45	1.79	1.22	+0.57	59.17	57.12	+2.05	2.0	1.1	Serajgunge	Bogra				
81	1.6	2.02	2.50	0.18	2.70	0.50	+2.20	57.13	56.09	+1.04	1.0	0.5	Rampore Beaulah	Pubna				
73	2.1	Nil	Nil	0.29	Nil	0.49	-0.49	39.90	55.85	-15.95	0.0	0.5	Maldah	Rajshahye				
74	4.5	Nil	0.16	0.10	0.38	0.23	+0.15	57.01	58.78	-0.87	1.0	0.4	Dinapore	Maldah				
89	0.7	0.48	0.84	0.41	1.38	1.02	+0.36	87.27	76.74	+10.53	1.5	0.9	Rungpore	Dinapore				
80	2.0	0.03	0.87	0.61	3.63	1.53	+2.30	121.42	114.81	+6.61	2.8	1.0	Julpigoree	Rungpore				
80	4.6	0.56	0.89	0.68	3.21	1.74	+1.69	136.36	125.92	+10.44	2.8	1.0	Darjeeling	Julpigoree				
86	1.1	Nil	0.09	0.18	0.09	0.39	-0.36	75.14	60.02	+15.12	0.4	0.4	Purneah	Cooch Behar				
			0.01	0.24	0.01	0.31	-0.30	48.93	44.72	+4.21	0.3	0.4	Moxuffepore	Darjeeling Hill Tract				
84	0	Nil	0.07	0.18	0.07	0.25	-0.18	52.24	45.67	+6.57	0.3	0.4	Moxuffepore	Purneah				
69	1.4	Nil	Nil	0.22	Nil	0.36	-0.36	64.11	47.90	+16.21	0.0	0.4	Durbhunga	North Bhagulpore				
48	0.7	Nil	Nil	0.05	Nil	0.09	-0.09	40.30	43.74	-3.44	0.0	0.2	Motihari	Moxuffepore				
													Chupra	Durbhunga				
25	1.1	Nil	0.04	Nil	0.14	-0.14	37.34	42.56	-5.22	0.0	0.2	Dehree	Chumparan					
33	1.7	drops	Nil	0.02	Nil	0.12	-0.12	40.49	41.63	-0.54	0.0	0.2	Buxer	Saran				
33	1.1	Nil	0.02	Nil	0.12	-0.12	40.49	41.63	-0.54	0.0	0.2	Arrah	Shahabad					
43	0.6	Nil	0.04	Nil	0.14	-0.14	37.34	42.56	-5.22	0.0	0.2	Gya	Gya					
35	1.4	Nil	0.02	0.05	0.02	0.11	-0.09	43.64	42.15	+1.49	0.2	0.2	Bankipore	South Bhagulpore				
46	1.6	Nil	0.14	Nil	0.26	-0.26	42.53	44.27	-1.74	0.0	0.3	Bhagulpore	Alonghyr					
55	0	0.20	0.19	0.20	0.19	0.34	-0.15	54.78	52.16	+2.62	0.5	0.4	Doomka	South Bhagulpore				
29	2.1	Nil	0.06	Nil	0.14	-0.14	43.64	42.15	+1.49	0.0	0.2	Hazaribagh	Alonghyr					
33	0.7	Nil	0.10	Nil	0.28	-0.28	40.63	50.93	-4.90	0.0	0.4	Ranchi	Sonthal Pargunnahs...					
			0.01	Nil	0.39	-0.39	39.27	49.02	-9.75	0.0	0.5		Lohardugga					
													Manthoom					
45	1.6	drops	Nil	0.24	Nil	0.40	-0.40	40.84	54.03	-4.19	0.0	0.6	Chyebassa	Singbhoom				

ten years. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. Under the head District observations of rainfall the normal means denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. The means of the district are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the sub-divisional 17 years. The means of the district are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the sub-divisional 17 years.

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 18th of April 1890.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1889.	Average rainfall from 15th May to date.
			Saturday, 12th April.	Sunday, 13th April.	Monday, 14th April.	Tuesday, 15th April.	Wednesday, 16th April.	Thursday, 17th April.	Friday, 18th April.	Number of rainy days.	of Rainfall week.				
ONISSA	Pooree	Pooree	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.20	82.03	52.96
		Khurdah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.34	81.00	53.33
		Banpur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.34	70.63	50.95
		False Point	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	1.45	77.32	67.29
		Gop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	?	?
		Satpara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	?	?
	Cuttack	Pipili	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	?	?
		Jagatsingapore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.28	76.19	48.78
		Banki	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.19	56.57	51.70
		Cuttack	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.57	77.58	58.87
		Kendrapara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.50	78.03	55.32
		Jajpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.21	0.21	0.93	58.84	56.79
Balasore	Dharmasala	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	60.10	?	
	Satipore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	73.78	?	
	Chandbali	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.58	55.71	55.08	
	Bhuddruck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.08	0.08	1.23	60.99	55.63	
	Sorah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.86	47.86	54.45	
	Balasore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.82	0.82	1.20	50.82	51.85	
SOUTH-WEST BENGAL.	Midnapore	Jollasore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.48	44.48	56.40
		Raripodah	0.12	0.15	0.00	0.00	0.00	0.00	0.00	2	0.27	0.32	0.58	50.52	56.33
		Contai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.40	57.53	64.12
		Saugor Island	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.46	57.97	60.21
		Tumlook	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.41	59.59	54.59
		Midnapore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.48	47.73	51.75
	24-Pargunnahs	Ghattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.94	44.50	58.02
		Kutubhaty	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	60.77	?
		Garbeta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	51.96	?
		Diamond Harbour	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.74	64.69	62.42
		Canning Town	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	58.12	?
		Alipore Jail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.78	50.78	59.77
	Howrah	Barrackpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.65	52.01	53.50
		Dum-Dum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.69	55.80	55.08
		Barasat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.63	58.89	53.47
		Buseerhat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.53	62.57	58.30
		Howrah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	1.02	60.04	55.59
		Mohera (Ooloberia.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.48	55.47	55.09
Hooghly	Serampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.79	56.10	53.48	
	Hooghly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.78	58.11	51.48	
Burdwan	Jehanabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.82	43.99	58.26	
	Culna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.93	41.87	47.74	
	Burdwan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.03	0.03	0.57	48.00	51.14	
	Outwa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	1.25	1.25	0.87	45.26	51.00	
	Raneegunge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.87	45.26	51.00	
	Mankur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.42	50.97	51.27	
Bankoora	Mankur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	54.23	?	
	Bankoora	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.63	51.99	54.23	
	Bishenore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.54	58.43	54.65	
	Maliara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.17	58.40	56.40	
	Khatra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.40	60.81	56.40	
	Indas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	45.86	?	
	Kotalpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	51.01	?	
	Anda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	40.94	?	
	Gangajalghati	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	60.84	?	
	Raipore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	59.60	?	
Beerbhoom	Sonamukhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	1.11	1.11	?	59.60	?	
	Bh. Soory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.40	59.05	55.75	
	Hetampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	1.05	1.05	2.24	50.00	56.18	
	Rampore Haut	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.72	48.18	53.82	
	Boipore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.23	?	55.72	
	Murari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	55.07	?	
Nadda	Murari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	2.40	?	55.07	?
	Ranaghat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.10	57.18	51.14	
	Kishnaghat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.10	0.10	0.53	1.57	43.27	49.76
	Choodanga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.12	1.19	51.62	55.79
Khoolna	Meherpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	1.41	51.62	55.79	
	Kooshia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.35	1.30	53.79	51.94
	Sathkura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	1.29	1.23	57.92	58.65
	Sathkura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.28	1.29	57.92	58.65
	Sathkura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.01	1.10	54.55	52.78
	Sathkura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.17	1.55	55.65	56.19
	Sathkura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.66	1.29	57.78	59.41
	Sathkura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	?	?	?
Jessore	Rampal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	?	?	?
	Narail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.73	?	?	?
	Jessore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.73	0.73	?	?	?	?
	Jhenidah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	?	?	?
	Magorah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	?	?	?
	Bongong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	?	?	?
Moorshedabad	Bongong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.94	1.00	59.39	56.17
	Kandi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	1.27	1.53	65.62	59.50
	Berhampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	1.07	1.67	52.01	58.26
	Lalbagh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	2.94	1.52	60.63	54.24
	Azimnagar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.60	1.93	49.54	55.67
	Jungipore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	?	?	?	?
	Lalgola	0.00	0.00	0.00	0.00	0.00	0								

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 18th of April 1890—contd.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1889.	Average rainfall from 15th May to date.	
			Saturday, 12th April.	Sunday, 13th April.	Monday, 14th April.	Tuesday, 15th April.	Wednesday, 16th April.	Thursday, 17th April.	Friday, 18th April.	Number of rainy days.	Rainfall in inch.					
EAST BENGAL—contd.	Noakholly	Gournadi	0.02						0.02	1	0.02	0.02	?	63.28	?	
		Baughal	0.19						0.19	1	0.19	0.19	?	93.38	?	
		Noakholly						0.07	0.41	2	0.48	0.54	1.73	104.21	113.09	
		Penny					0.75	0.50		2	1.25	1.37	2.03	83.02	113.91	
	Furreedpore	Harishpore											?	87.85	?	
		Ramganj					0.50	0.10		2	0.60	0.60	?	87.85	?	
	Dacca	Madatipore							0.16	1	0.16	0.35	1.48	63.80	60.85	
		Furreedpore					0.18	0.07		1	0.25	0.79	1.47	62.10	62.10	
	Dacca	Goalunde							0.11	1	0.11	1.63	1.44	60.69	57.92	
		Munshingunge						1.24	1.50	2	2.74	2.96	2.33	62.63	70.85	
	Dacca	Dacca						0.32	2.57	2	2.89	4.37	2.18	83.43	64.74	
		Narainkunge						1.40	1.71	2	3.20	3.44	1.41	85.08	65.48	
	Dacca	Manickgung						0.15	0.04	2	0.19	1.47	1.45	72.13	64.61	
		Joydebpore					0.58		1.12	2	1.70	3.28	?	72.54	?	
	Hill Tipperah	Agartola						1.28	1.45	0.25	3	2.98	2.98	2.02	51.14	69.01
		Comilla						0.31	0.13	1.05	3	1.49	1.70	2.51	64.96	83.19
		Chandpore							0.35	0.25	2	0.60	1.90	1.97	68.97	80.90
		Brahmunberia					0.58	0.09	1.26	3	1.93	2.24	2.22	67.52	60.92	
		Ramchandrapore.					0.15	0.60	0.69	3	1.50	1.70	?	63.17	?	
		Nasirnagar							2.30	1	2.30	2.50	?	41.89	?	
		Daudkandi						0.50	0.65	2	1.15	1.15	?	64.88	?	
		Kasba					0.32		0.37	2	0.69	0.75	?	63.85	?	
		Laksham						2.10		1	2.10	2.50	?	74.53	?	
		Mymensingh.	Kishoregunge						0.14		0.31	2	0.45	0.49	2.07	74.30	76.07
	Atia (Tangal)							0.31		1.07	2	1.38	4.16	1.08	65.21	59.14
	Mymensingh							0.15		0.51	2	0.66	2.23	1.56	102.34	78.51
	Jamulpore							1.44		0.70	2	2.14	3.19	1.14	90.28	67.83
	Netrokona								0.35	0.35	1	0.35	0.92	1.58	122.25	77.33
	Subornakhal							0.90	0.70	0.65	3	2.15	2.73	?	60.98	?
	Durgapore													?	?	?
	Sherepore Town						1.32		0.47	2	1.79	3.33	?	27.19	?	
	Dewanganj						0.40	0.55	0.70	3	1.65	1.74	?	50.90	?	
NORTH BENGAL.	Pubna		Pubna							0.55	1	0.55	0.58	1.40	51.49	57.85
		Seraikunje						0.10	0.03	0.09	3	0.82	0.98	1.05	61.19	59.29
	Bogra	Sherepore							0.62	1	0.62	0.62	0.48	63.32	60.29	
		Bowkhilla							0.81	1	0.81	1.24	0.50	65.32	50.76	
	Bogra	Bogra							1.32	1	1.32	1.36	0.90	73.63	63.18	
		Panchbibi							0.94	1	0.94	0.94	0.27	67.33	57.41	
	Rajshahye	Benaulah							2.06	1	2.06	2.44	0.60	48.78	55.10	
		Natore						4.80		4.80	1	4.80	5.03	0.79	64.00	57.54
	Rajshahye	Naogaon						0.63		0.63	1	0.63	0.63	0.11	68.00	53.22
		Lalpur							0.94	1	0.94	0.94	?	37.69	?	
	Rajshahye	Manda								Nil	Nil	Nil	?	45.27	?	
		Maldah								Nil	Nil	Nil	0.40	50.80	53.44	
	Maldah	Chanchal								Nil	Nil	Nil	0.40	50.80	53.44	
		Gajol								Nil	Nil	Nil	?	50.79	58.23	
	Maldah	Sitganj							0.15	1	0.15	0.15	?	62.26	?	
		Dinagore	Mohadepore							0.11	0.09	2	0.20	0.29	0.26	54.01	57.93
	Churamon								0.12		0.12	1	0.12	0.14	61.34	55.63
	Dinagore	Raigunge								Nil	Nil	Nil	0.24	52.29	58.29	
		Dinagore							0.24	1	0.24	1.34	0.52	69.67	65.51	
	Dinagore	Balcoorhat							0.22	1	0.22	0.22	0.05	61.51	52.47	
		Thakurgaon							0.37	1	0.37	?	?	89.18	?	
	Rungpore	Bhawaniganje (Gyabanda)							1.80	1	1.80	1.80	0.28	90.19	64.61	
		Rungpore						0.01	0.44	2	0.45	0.45	0.86	75.49	77.08	
	Rungpore	Kurigram						0.75	0.20	2	0.95	2.86	1.55	94.48	77.13	
Bagdoura								0.17	1	0.17	0.43	0.70	88.92	87.54		
Rungpore	Nilphamari								0.20	1	0.20	0.46	?	81.01	?	
	Ulipore															
Jalpigore	Jalpigore						0.08	0.02		2	0.05	1.04	1.56	123.49	120.64	
	Alipore Doba						0.09	1.25	0.12	3	1.46	1.94	?	124.67	?	
	Fallacotta						0.14	0.11	0.48	3	0.73	0.48	?	130.17	?	
	Debiganj								0.18	1	0.18	0.48	?	91.43	?	
Jalpigore	Bhagatpore						0.26	0.05	0.02	4	0.36	1.32	?	140.54	?	
	(Nagrahatta).															
Cooch Behar.	Dinhat						0.19	0.45	0.21	3	0.83	3.29	1.00	102.15	89.49	
	Cooch Behar					0.03		1.13		2	1.16	1.16	1.35	133.18	122.88	
Cooch Behar	Mickilganj						0.30	0.03	0.11	3	0.50	5.15	1.11	124.01	108.37	
	Masakhanga						0.30	0.57	0.48	4	1.90	6.17	3.51	123.31	115.49	
Darjeeling Hill.	Buxa	0.85	0.01	0.04				0.02	0.09	6	1.50	1.07	0.21	129.55	129.41	
	Siliguri						0.24		0.07	2	0.31	2.22	1.90	122.00	125.92	
Darjeeling Hill.	Darjeeling							0.89	0.22	2	1.11	1.84	0.96	130.58	113.39	
	Kalimpong						0.07	0.03	0.20	2	0.31	0.61	?	94.19	87.43	
Darjeeling Hill.	Kurseong								0.24	2	0.31	0.61	?	170.84	?	
NORTH BENGAL.	Purneah	Kimongung							0.34	1	0.34	0.34	0.31	104.01	71.83	
		Arratoh							0.09		0.09	0.09	0.50	79.84	63.37	
	Purneah	Purneah								Nil	Nil	Nil	0.40	63.52	63.05	
		Gondwara								Nil	Nil	Nil	?	?	?	
	Purneah	Balarampore								Nil	Nil	Nil	?	?	?	
		Matiari								Nil	Nil	Nil	?	?	?	
	North Bhagulpore.	Kaitaganj							0.10	1	0.10	0.71	?	?	?	
		Kaddapore								Nil	Nil	Nil	0.26	60.95	50.75	
	North Bhagulpore.	Seopori								Nil	Nil	Nil	0.34	67.36	49.30	
		Protahganj						0.20	0.23	2	0.43	0.43	?	88.50	?	
	Durbhanga	Tajpore								Nil	Nil	Nil	0.16	42.63	44.00	
		Durbhanga								Nil	Nil	Nil	0.25	50.37	40.85	
Durbhanga	Madhubani						0.22	1	0.22	0.22	0.52	?	70.00	46.19		
	Bahera								Nil	Nil	Nil	?	?	?		
Durbhanga	Bahera								Nil	Nil	Nil	?	?	?		
	Bahera								Nil	Nil	Nil	?	?	?		
Mouafferpore	Sitamahi								0.02	1	0.02	0.02	0.64	65.66	44.71	
	Mouafferpore									Nil	Nil	Nil	0.22	48.53	46.65	
	Hajipore									Nil	Nil	Nil	0.06	42.69	42.04	
	Fara									Nil	Nil	Nil	?	?	?	
	Mahua									Nil	Nil	Nil	?	?	?	
	Stihar									Nil	Nil	Nil	?	?	?	
Mouafferpore	Pupri								Nil	Nil	Nil	?	?	?		
Mouafferpore	Pupri											?	48.48	?		

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 18th of April 1890—concl.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1889.	Average rainfall from 15th day to date.
			Saturday, 12th April.	Sunday, 13th April.	Monday, 14th April.	Tuesday, 15th April.	Wednesday, 16th April.	Thursday, 17th April.	Friday, 18th April.	Number of rainy days.	of rainfall week.				
NORTH BHAR	Chumpan...	Motihari	...	...	...	...	...	...	...	Nil	Nil	Nil	0.39	75.52	45.08
		Bettiah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.33	52.89	49.80
		Bapaha	...	...	...	...	...	...	...	Nil	Nil	Nil	?	70.44	?
SOUTH BHAR	Shahabad	Burhura	...	...	...	...	...	...	...	Nil	Nil	Nil	?	51.93	?
		Gopalgunge	...	...	...	...	...	...	...	Nil	Nil	Nil	0.05	35.73	44.33
		Choprah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.09	44.43	41.81
SOUTH BHAR	Shahabad	Buxar	...	...	...	...	...	...	...	Nil	Nil	Nil	0.15	40.85	41.57
		Dichro	...	...	...	...	...	...	...	Nil	Nil	Nil	0.12	47.74	39.38
		Bhaboah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.11	43.02	41.08
SOUTH BHAR	Gya	Sasaram	...	...	...	...	...	...	...	Nil	Nil	Nil	0.08	38.61	43.11
		Arrah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.15	30.31	41.56
		Mohaniah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.14	43.62	41.27
SOUTH BHAR	Patna	Aurangabad	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Gya	...	...	...	...	...	...	...	Nil	Nil	Nil	0.13	35.63	43.75
		Nowadah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.12	40.20	43.64
SOUTH BHAR	Patna	Jehanabad	...	...	...	...	...	...	...	Nil	Nil	Nil	0.14	39.72	41.21
		Arwal	...	...	...	...	...	...	...	Nil	Nil	Nil	?	33.77	41.03
		Daudnagar	...	...	...	...	...	...	...	Nil	Nil	Nil	?	34.40	?
SOUTH BHAR	Patna	Sherrghati	...	...	...	...	...	...	...	Nil	Nil	Nil	?	26.69	?
		Kaisuli	...	...	...	...	...	...	...	Nil	Nil	Nil	?	30.29	?
		Pakri Barawan	...	...	...	...	...	...	...	Nil	Nil	Nil	?	17.94	?
SOUTH BHAR	Patna	Patna	...	...	...	...	...	...	...	Nil	Nil	Nil	?	31.90	?
		Dinapore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.09	51.50	42.83
		Kebhar	...	...	...	...	...	...	...	Nil	Nil	Nil	0.16	45.33	42.20
SOUTH BHAR	Patna	Barrh	...	...	...	...	...	...	...	0.10	0.10	0.10	0.12	41.30	42.98
		Bickram	...	...	...	...	...	...	...	Nil	Nil	Nil	0.07	36.03	40.67
		Hilsa	...	...	...	...	...	...	...	Nil	Nil	Nil	?	43.48	?
SOUTH BHAR	Monghyr	Regoseral	...	...	...	...	...	...	...	Nil	Nil	Nil	?	35.04	?
		Monghyr	...	...	...	...	...	...	...	Nil	Nil	Nil	0.12	47.75	41.11
		Jamui	...	...	...	...	...	...	...	Nil	Nil	Nil	0.23	41.77	47.62
SOUTH BHAR	South Bhagulpore	Gogri	...	...	...	...	...	...	...	Nil	Nil	Nil	?	39.58	44.32
		Sheikpura	...	...	...	...	...	...	...	Nil	Nil	Nil	?	60.19	?
		Shagulpore	...	...	...	...	...	...	...	Nil	Nil	Nil	?	43.32	?
SOUTH BHAR	South Bhagulpore	Bhagulpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.48	45.08	43.51
		Banks	...	...	...	...	...	...	...	Nil	Nil	Nil	0.32	38.80	44.84
		Kolga	...	...	...	...	...	...	...	Nil	Nil	Nil	?	40.97	?
SOUTH BHAR	Sonthal Pergunnahs	Bangaon	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Rajmahal	...	...	...	...	...	...	...	Nil	Nil	Nil	0.40	69.07	53.32
		Godda	...	...	...	...	...	...	...	Nil	Nil	Nil	0.33	49.74	48.76
SOUTH BHAR	Sonthal Pergunnahs	Pakour	...	...	...	...	...	...	...	0.02	1 0.02	0.02	0.23	74.45	50.45
		Nya Doemka	...	...	...	...	...	...	...	0.20	1 0.20	0.20	0.53	57.50	55.24
		Deoghar	...	...	...	...	...	...	...	Nil	Nil	Nil	0.32	40.82	52.20
SOUTH BHAR	Sonthal Pergunnahs	Jamtara	...	...	...	...	...	...	...	0.30	1 0.30	0.30	0.19	40.36	50.41
		Mohagama	...	...	...	...	...	...	...	0.24	1 0.24	0.24	?	66.05	?
		Namhat	...	...	...	...	...	...	...	0.15	1 0.15	0.15	?	57.02	?
CHITTA NAGPUR	Hazariabagh	Pachamba	...	...	...	...	...	...	...	Nil	Nil	Nil	0.22	39.24	49.03
		(Girdi)	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Hazariabagh	...	...	...	...	...	...	...	Nil	Nil	Nil	0.22	49.51	48.76
CHITTA NAGPUR	Lohardugga	Somnagar	...	...	...	...	...	...	...	Nil	Nil	Nil	0.13	36.98	48.73
		Mahudi Hills	...	...	...	...	...	...	...	Nil	Nil	Nil	0.09	45.02	45.02
		Jhoomra Hills	...	...	...	...	...	...	...	Nil	Nil	Nil	?	63.40	64.03
CHITTA NAGPUR	Lohardugga	Barhi	...	...	...	...	...	...	...	Nil	Nil	Nil	?	32.03	?
		Chatra	...	...	...	...	...	...	...	Nil	Nil	Nil	?	47.09	?
		Karagdeha	...	...	...	...	...	...	...	Nil	Nil	Nil	?	40.05	?
CHITTA NAGPUR	Lohardugga	Ramghar	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Lohardugga	...	...	...	...	...	...	...	Nil	Nil	Nil	0.23	48.73	52.80
		Ranchi	...	...	...	...	...	...	...	Nil	Nil	Nil	0.30	55.23	54.70
CHITTA NAGPUR	Singbhoom	Palaow	...	...	...	...	...	...	...	Nil	Nil	Nil	0.23	35.13	44.73
		Silli	...	...	...	...	...	...	...	Nil	Nil	Nil	?	34.20	?
		Baluma	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
CHITTA NAGPUR	Singbhoom	Hossainabad	...	...	...	...	...	...	...	Nil	Nil	Nil	?	44.79	?
		Gorwah	...	...	...	...	...	...	...	Nil	Nil	Nil	?	29.43	?
		Chyebassa	...	...	...	...	...	...	...	Nil	Nil	Nil	0.40	40.84	54.18
CHITTA NAGPUR	Singbhoom	Chakradhar-pore	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Ghatilla	...	...	...	...	...	...	...	1.32	1 1.32	1.32	?	69.15	?
		Baharagura	...	...	...	...	...	...	...	Nil	Nil	Nil	?	57.37	?
CHITTA NAGPUR	Manbhoom	Purulia	...	...	...	...	...	...	...	Nil	Nil	Nil	0.43	44.49	51.48
		Gobindpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.35	34.05	46.71
		Kaghunath-pore	...	...	...	...	...	...	...	Nil	Nil	Nil	?	46.32	?
CHITTA NAGPUR	Manbhoom	Barrabhoom	...	...	...	...	...	...	...	Nil	Nil	Nil	?	45.32	?
		Jhaida	...	...	...	...	...	...	...	Nil	Nil	Nil	?	51.80	?
		Chas	...	...	...	...	...	...	...	Nil	Nil	Nil	?	59.43	?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 22nd April 1890.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 18TH
OF APRIL 1890.**

At the commencement of the present week weather was everywhere settled; south-westerly winds blew over the whole province, Dhubri being the only station reporting an easterly wind, temperature was above the normal, and rising rapidly in the north-east, but was falling slowly in Chutia Nagpur and part of South-West Bengal. The low-pressure area which extended along the foot of the hills on Saturday, the first day of the week, continued without much change relatively to the neighbouring parts, but pressure changes of considerable amount have been going on for the greater part of the week. During the first two days the changes were small; the low-pressure area contracted, and easterly winds commenced in Behar. Temperature was then from three to six degrees in excess in Behar, Chutia Nagpur, the upper part of South-West Bengal, and the lower part of North Bengal, while along the eastern boundary and at the head of the Bay there was either a small excess or defect ranging up to 3° at Cuttack. On Monday, the 14th, a rapid fall of pressure set in, the changes in North Behar and North Bengal in some cases exceeding a tenth of an inch. On the following two days pressure rose briskly but uniformly, and the effect of the previous rapid fall continued on these two days in south-easterly winds prevailing over the eastern half of the province. The only district where winds were not south or south-east was Chutia Nagpur. Rain began to fall in North Bengal on Tuesday, extending on Wednesday to East Bengal and the eastern parts of South-West Bengal, where fairly general, and in some cases heavy, rain fell till the end of the week. With the commencement of rainfall temperature fell in North and East Bengal, but in the other districts, where rain was almost entirely absent, the change of temperature was insignificant, a large excess being general. On Thursday pressure again fell briskly and a distinct depression formed in the North-West Provinces, covering part of Behar and Chutia Nagpur. The increase in the amount of rainfall in North and East Bengal was due to the unsettled weather that resulted, and a few scattered showers fell in North Behar and Orissa, while rain was fairly general in Nuddea, Khulna, and Jessore, and in part of the Moorsshedabad district, on Friday. Thus the week ended with more seriously disturbed weather than has been experienced this season in Bengal, the interaction of the south-westerly winds from Chutia Nagpur with the south-easterly winds in Lower Bengal and the north-east winds in North Bengal, along with the continuance of this arrangement for some days, having caused general and for the season heavy rain over the whole of the eastern half of the province.

Pressure—Changes have been fairly large, with the exception of the first two days and the last day of the week. On Monday the 14th there was a rapid fall followed by a brisk rise on the 15th and 16th. On the 17th there was again a brisk to rapid fall, and on Friday the 18th slight irregular changes. On the 14th and 15th, and again on the 17th and 18th, there was defect of over a twentieth of an inch, but on the other days the differences from the normal were very slight. The means for the week are all below the normal, the largest differences being about a twentieth of an inch in South-West Bengal and Behar, and the smallest two to three-hundredths of an inch in Orissa and the neighbouring part of South West Bengal.

Temperature—Has been subject to rather large changes and the distribution has been irregular. Thus at Cuttack, Calcutta, Dacca, and Darjeeling the mean maximum temperature is below the normal, while at Burdwan, Patna, Purneah, and Hazaribagh there has been excess of from 3.5° to 4.5° . The night temperatures have been all above the normal except at Dacca, the largest being 5° at Gya. The means for the large divisions are slightly below the normal in two cases—Orissa and East Bengal, and above the normal in the others from 2° to 3.5° .

The actual temperatures during the week, the range from day to night, and their variations from the normals are seen in the following table, where the average maximum, minimum and mean temperatures at nine typical stations in different districts in the province are given together with their normal values:—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 18th April 1890.

	Normal mean maximum temperature for the week ending 18th April.	Actual mean maximum temperature for the week ending 18th April 1890.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 18th April.	Actual mean minimum temperature for the week ending 18th April 1890.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 18th April.	Actual mean daily temperature for the week ending 18th April 1890.	Variation of actual mean from the normal.
Cuttack	103.2	101.1	-2.1	78.1	78.8	+0.7	90.6	90.0	-0.6
Calcutta	99.1	98.1	-1.0	75.6	77.2	+1.6	86.2	86.1	-0.1
Dacca	94.0	93.3	-0.7	73.6	73.4	-0.2	84.5	83.5	-1.0
Burdwan	101.1	104.1	+3.0	75.2	77.3	+2.1	88.2	90.9	+2.7
Patna	101.3	103.6	+2.3	74.3	76.1	+1.8	87.6	90.8	+3.2
Gya	102.9	106.6	+3.7	74.0	79.1	+5.1	88.4	92.8	+4.4
Purneah	100.0	101.4	+1.4	69.2	71.7	+2.5	84.6	86.6	+2.0
Hazaribagh	97.2	101.5	+4.3	72.4	76.1	+3.7	84.8	86.7	+1.9
Darjeeling	63.6	63.1	-0.5	49.0	49.8	+0.8	56.3	56.4	+0.1

Rainfall—Commenced on Tuesday in North and East Bengal, but the showers on that day were slight and scattered. The area and amount both increased on Wednesday, and on Thursday and Friday, the 17th and 18th, general rain fell in those two districts and in part of South-West Bengal, but in Behar, Chutia Nagpur, Orissa, and the western half of South-West Bengal very little rain has fallen. Thunderstorms have in some cases been severe, and in one case in the Mymensingh district the storm approached in violence to a tornado, but as it did not pass near any observatory, no details have been received. The largest falls are 4·8 inches at Nattore, 3·3 inches at Lalga, and about 3 inches at Naraingunge, Dacca, Munshigunge, and Agartola. The means are 1·3 inches in East Bengal, 0·85 in North Bengal, 0·28 in South-West Bengal, and in the other districts under a tenth of an inch except in Chutia Nagpur, where no rain has fallen.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 18th of April 1890 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages or week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1889.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	104·4	74·8	91·8	78·5	85·2	-0·2	0·09	0·27	-0·18	0·3	0·7	-0·4	0·09	0·65	64·61	56·59
South-West Bengal ...	110·1	68·5	101·9	77·5	89·7	+2·0	0·28	0·40	-0·12	0·4	0·8	-0·4	0·46	0·84	53·54	55·30
East Bengal	95·1	66·2	91·1	74·0	82·5	-0·4	1·30	0·05	+0·65	1·8	1·2	+0·6	1·80	1·71	80·40	79·72
North Bengal*	106·8	65·2	97·9	74·0	86·0	+2·2	0·35	0·32	+0·53	1·4	0·8	+0·6	1·06	0·70	75·52	72·95
North Behar	105·8	64·8*	101·8*	71·4*	86·6*	+2·3*	0·04	0·17	-0·13	0·3	0·4	-0·1	0·04	0·29	53·04	49·59
South Behar	109·3	70·0	105·2	76·0	90·6	+5·0	0·05	0·10	-0·05	0·2	0·3	-0·1	0·05	0·21	44·49	44·02
Chntia Nagpur	103·1*	71·4*	100·9*	75·3*	88·1*	+3·5*	Nil	0·11	-0·11	0·0	0·4	-0·4	Nil	0·24	44·10	

* Dinagore, Durbhanga, and Chyebassas not included.

METEOROLOGICAL OFFICE, BENGAL ;

C. LITTLE,

The 22nd April 1890.

Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 13th to 19th April 1890.

MONTH.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	TEMPERATURE.						HYGROMETRY.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
April 1890...	13th ...	29·834	86·4	95·0	17·2	77·8	89·6	81·4	·962	78·1	69	Nil.
" "	14th ...	755	90·4	102·0	23·2	78·8	91·1	81·5	·947	77·6	65	"
" "	15th ...	782	87·2	96·0	17·7	78·3	89·6	81·5	·967	78·2	70	"
" "	16th ...	798	86·4	95·0	17·2	77·8	90·6	81·5	·954	77·8	67	"
" "	17th ...	757	87·1	96·0	17·3	78·2	90·6	80·5	·966	78·3	63	"
" "	18th ...	792	83·2	91·5	16·7	74·3	78·6	74·5	·891	72·5	82	"
" "	19th ...	846	85·4	96·0	21·2	74·8	90·6	80·5	·966	76·2	63	"

The mean 10 A.M. pressure of the seven days Inches. 29·795

The mean temperature of the seven days 86·6

The extreme variation of temperature 27·2

The maximum temperature 102·0

The mean 10 A.M. relative humidity of the seven days % 68

The total fall of rain from 13th to 19th April 1890 Inches. Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

J. H. GILLILAND,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA ;
The 21st April 1890.

Results of the Meteorological Observations taken at the Alipore Observatory from
13th to 19th April 1890.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1890.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
April	13th	151.1	6.0	29.737	85.8	93.9	16.6	77.3	79.1	0.908	76.3	74	SSW ...	264	Nil	Partially cloudy.
"	14th	155.8	6.9	679	87.6	101.5	23.1	78.4	78.7	863	74.8	68	SSW, SW and S ...	203	"	Partially cloudy.
"	15th	147.7	5.9	700	85.8	94.9	17.3	77.6	78.7	837	75.6	72	S and SSW ...	151	"	Chiefly cloudy.
"	16th	148.2	9.0	711	85.5	94.1	16.7	77.4	77.8	850	74.3	69	SSW and S ...	215	"	Partially cloudy, o.
"	17th	150.5	9.4	674	86.5	94.3	16.6	77.7	78.9	885	75.5	71	SSW and S ...	200	"	Partially cloudy.
"	18th	145.3	2.4	717	83.0	91.7	17.5	74.2	76.2	821	73.3	73	ESE, SSE and variable.	168	"	Chiefly cloudy, o, t, <.
"	19th	151.6	9.1	793	85.1	93.8	19.5	74.3	76.2	734	71.9	64	SSW, S and variable	174	Not measurable.	Chiefly cloudy, o, t, <, d.

The mean pressure of the seven days ... 29.716
 The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 29.746

Hours.
 The total number of hours of bright sunshine ... 48.7
 The maximum possible number of hours of sunshine ... 88.5

°
 The mean temperature of the seven days ... 85.6
 The average temperature of the corresponding period for 24 years, S.-G.'s Office ... 85.0
 The extreme variation of temperature ... 27.3
 The maximum temperature ... 101.5

Miles.
 The highest velocity of the wind in one hour ... 16

lbs.
 The highest pressure of wind on one square foot ... Approximately 3
 %
 70

The mean relative humidity ...
 The average relative humidity of the corresponding period for 24 years, S.-G.'s Office ... 69

Inches.
 The total fall of rain from 13th to 19th April 1890 ... Nil
 The average fall of the corresponding period for 24 years, S.-G.'s Office ... 0.21
 The total fall from 1st January to 19th April 1890 ... 1.10
 The average fall of the corresponding period for 24 years, S.-G.'s Office ... 3.60

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h., 10h., 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, t thunder, < lightning, d drizzling rain.

N.B.—In the weekly report from 23rd to 29th March 1890, read 60 for 70 as the humidity of the 28th March 1890.

J. H. GILLILAND,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
 Calcutta, the 21st April 1890.

MEMORANDUM.

Weekly review of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 5th April 1890.

BIRTHS.

The births registered during the week ending with Saturday, the 5th April 1890, in twenty-seven principal towns of Bengal, excluding one (Hughli and Chinsurah) from which no return has yet been received, correspond to an annual rate of 14.2 per 1,000 of the aggregate population of the twenty-six towns, which is 1,029,887. This rate is 6.3 lower than the average rate of the corresponding week of the past five years, and is also lower than the rate of the corresponding week of any of the past five years—*vide* the figures below:—

	1885.	1886.	1887.	1888.	1889.	Weekly average of five years.	1890.
Ratio of births per 1,000 of the population per annum	24.0	21.1	17.6	18.9	21.3	20.5	14.2

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING—				TOWNS.	WEEKS ENDING—			
	16th March 1890.	22nd March 1890.	29th March 1890.	5th April 1890.		16th March 1890.	22nd March 1890.	29th March 1890.	5th April 1890.
Burdwan	18.3	24.4	24.4	25.9	Narainganj	33.1	29.0	16.6	20.7
Midnapore	20.1	17.0	26.3	10.8	Chittagong	14.1	11.7	9.4	4.7
Hughli and Chinsurah	19.7	24.0	23.0	Data not recd.	Comillah	50.1	38.5	23.1	50.1
Serampore	35.3	21.6	41.2	33.4	Patna	18.9	8.8	13.3	6.8
Utterpara	28.3	47.2	28.3	9.4	Gya	19.1	25.9	19.1	16.4
Howrah	25.2	21.3	19.5	16.6	Arrah	29.9	56.2	23.0	13.2
Bali	7.0	21.7	17.5	7.0	Mosufferpore	14.6	25.5	13.4	9.7
Kishnaghur	22.7	17.4	24.6	9.5	Durbhanga	15.7	25.2	18.1	13.1
Kanaghat	6.0	41.9	18.0	18.0	Chupra	16.1	23.1	14.1	14.1
Santipore	21.0	35.0	28.3	14.0	Bihaulpore	30.8	16.3	13.6	16.9
Jessore	24.5	30.6	18.4	12.2	Monghyr	31.6	30.7	20.2	20.8
Rampore Beaulah	47.3	31.5	31.0	26.3	Purneah	20.8	3.5	27.7	13.9
Darjiling	14.8	...	37.0	14.8	Poori	14.7	33.6	29.4	12.6
Dacca	9.7	23.4	20.8	8.4					

It will be seen that last week the highest birth-rate was returned from Comillah (50.1) and the lowest from Chittagong (4.7).

DEATHS.

The deaths registered during the week under review correspond to an annual rate of 21.5 per 1,000 of the population. The rate of the week is 2.9 below the average rate of the corresponding week of the past five years, and also below the rate of the corresponding week of any of the past five years except 1886—*vide* the figures below:—

	1885.	1886.	1887.	1888.	1889.	Weekly average of five years.	1890.
Ratio of deaths per 1,000 of the population per annum	30.2	21.0	23.2	22.1	24.9	24.4	21.5

The deaths registered in each of the last four weeks in each of the twenty-seven towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING—				TOWNS.	WEEKS ENDING—			
	16th March 1890.	22nd March 1890.	29th March 1890.	5th April 1890.		16th March 1890.	22nd March 1890.	29th March 1890.	5th April 1890.
Burdwan	24.4	23.9	24.4	27.5	Narainganj	8.3	4.1	8.3	8.3
Midnapore	26.3	40.6	38.7	12.4	Chittagong	9.4	11.7	7.0	4.7
Hughli and Chinsurah	31.2	23.9	37.7	Data not recd.	Comillah	63.9	43.4	46.2	27.0
Serampore	37.3	47.1	17.7	37.3	Patna	11.7	13.3	17.5	11.4
Utterpara	28.3	47.2	28.3	56.6	Gya	48.5	41.0	66.3	79.3
Howrah	23.3	21.3	14.3	22.9	Arrah	12.0	14.4	16.7	9.6
Bali	17.5	24.6	24.6	31.6	Mosufferpore	14.6	4.9	17.0	13.4
Kishnaghur	9.5	17.4	6.7	7.6	Durbhanga	15.7	15.7	25.2	17.3
Kanaghat	18.0	29.9	24.0	6.0	Chupra	10.1	14.1	11.1	13.1
Santipore	21.0	14.0	8.4	10.5	Bihaulpore	15.4	15.1	19.9	8.1
Jessore	30.6	61.2	18.2	18.4	Monghyr	19.0	14.5	9.9	23.5
Rampore Beaulah	21.0	26.3	21.0	34.2	Purneah	20.8	27.7	34.6	17.3
Darjiling	37.0	37.0	44.5	29.6	Poori	100.7	45.3	39.9	39.9
Dacca	11.0	18.2	22.7	13.0					

It will be seen that last week the highest mortality occurred in the town of Gya (79·2) and the lowest in Chittagong (4·7).

Measured by last week's mortality, the highest annual death-rates from cholera, fever and other causes were as follows:—

<i>Cholera.</i>		<i>Fever.</i>		<i>Other causes.</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Comillah ...	15·4	Gya ...	60·8	Gya ...	17·0
Howrah ...	6·3	Rampore Beaulah ...	21·0	Poori ...	12·6
				Serampore ...	11·8

The total mortality from the several registered death-causes in the twenty-six towns amounted to 1·5 from cholera, against 2·4 per 1,000 in the preceding week; 5 from small-pox, against 1·1; 12·1 from fever, against 10·3; 1·9 from bowel-complaints, against 1·7; 3 from injury, against 5; and 5·2 from other causes, against 6·7 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows:—

<i>According to Sex.</i>		<i>According to Class.</i>		<i>According to Age.</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males ...	19·6	Christians ...	30·9	Under 1 year	135·4
Females ...	23·4	Hindus ...	21·9	1 and under 5 years	21·8
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population ...	83	Mahomedans ...	20·4	5 " 10 "	10·6
				10 " 15 "	7·2
				15 " 20 "	13·9
				20 " 30 "	12·4
				30 " 40 "	11·6
				40 " 50 "	20·6
				50 " 60 "	24·3
				60 years and upwards	79·2

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

The 21st April 1890.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending Saturday, the 5th April 1890.

DISTRICTS.		NAMES OF MUNICIPALITIES.		POPULATION.		BIRTHS.		MORTALITY ACCORDING TO—										SEX.		Ratio of male deaths to every 100 female deaths, calculated on the population to the local mortality bears every 100 female deaths to the local mortality bears every 1
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13			14			15			16										
DISTRICTS.			CLASS.			MORTALITY ACCORDING TO—			Age.										
DEATHS AMONG—			RATIO PER 1,000 OF POPULATION PER ANNUM.			DEATHS.			RATIO PER 1,000 OF POPULATION PER ANNUM.										
Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up-wards.
Return not received up to date.																			
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OFFICE OF SANITARY COMMISSIONER FOR BENGAL.

The 21st April 1890.

W. H. GREGG, Dip. Publ. Health, Camb.,
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, —BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagirath, Jellinghee, and Brahmaputra for the month of January 1890.

RIVER GANGES.															RIVER BHAGIRATH.	RIVER JELLINGHEE.	RIVER GOWHATLY.				
Mirzapur.		Benares.		Boxar.		Dinapur.		Monghyr.		Sahebgunge.		Rampur Beaulah.		Goalundo.		Berhampore.		Sarrungunge.		Gowhatly.	
From Allahabad.	Height over mean sea-level.	From Allahabad.	Height over mean sea-level.	From Benares.	Height over zero.	From Benares.	Height over zero.	From Benares.	Height over mean sea-level.	From Benares.	Height over zero.	From Benares.	Height over mean sea-level.	From Benares.	Height over zero.	From Benares.	Height over mean sea-level.	From Benares.	Height over mean sea-level.	From Benares.	Height over mean sea-level.
60	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
1st	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
2nd	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
3rd	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
4th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
5th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
6th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
7th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
8th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
9th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
10th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
11th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
12th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
13th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
14th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
15th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
16th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
17th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
18th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
19th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
20th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
21st	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
22nd	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
23rd	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
24th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
25th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
26th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
27th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
28th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
29th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
30th	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78
31st	269.50	134	198.70	48	172.47	87	147.78	287	101.31	381	68.42	471	45.17	691	2.58	130	37.31	691	4.21	130	147.78

G. A. G. SHAW, Under-Secretary to the Govt. of Bengal.

CALCUTTA, The 21st April 1890.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of January 1890.

ORISSA CIRCLE.

TALDUNDA CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDA CANAL, 27 MILES.
MACHGONG „ 4 „

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value. Rupees.	Quantity.	Value.	
		Up.	Down.	Total.		Tons.	Rupees.	
16	1. Grain ...	44	81	125	7,430	125	7,430	
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
2	3. Oilseeds ...	.....	15	15	1,260	15	1,260	
...	4. Salt ...	.....	.....	.....	.....	.....	.....
...	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
...	6. Metal ...	.....	.....	.....	.....	.....	.....
20	7. Building materials ...	.....	372	372	423	7	20	
7	8. Miscellaneous ...	.....	69	69	390	69	390	
1	9. Fuel ...	.....	4	4	25	4	25	
7 rafts	10. Timber No.	.....	60	60	142	60	142	
9 „	11. Bamboos „	.....	6,800	6,800	136	6,800	136	
6 boats 6 rafts.	12. Total ...	{ 44	541 & 6,860 No.	585 & 6,860 No.	{ 9,806 }	220 & 6,860 No.	{ 9,403 }	
2 boats 2 rafts.	13. Total of same month last year.	{ 55	680 & 12,116 No.	735 & 12,116 No.	{ 6,686 }	171 & 12,116 No.	{ 6,107 }	
		Up.	Down.	Total.			Rs. A. P.	
14. Total number of boats plying cargo No.		9	37	46	Total tollage of month— 24 + 25 + 26 + 26½ ...		223 12 2	
15. Total number of boats plying passenger No.		7	1	8				
15½. Total empty boats „		34	18	52	Total tollage of same month last year ...		498 2 6	
16. Total registered tonnage, cargo, private Tons		75	284	359				
16½. Ditto ditto, Government Tons		.....	597	597	Memorandum of Tollage.			
17. Total registered tonnage, passenger Tons		168	1	169				
17½. Ditto ditto, empty „		343	174	517				
18. Ton-mileage ...		6,888	13,164	20,052				
19. Estimated value of cargo Rs.		5,180	4,348	9,528	1. Balance not recovered on the 1st of the month ...		1 0 0	
20. Number of passengers ...		390	2	392	2. Tollage per month ...		223 12 2	
21. Rafts, bamboos No.		.....	6,800	6,800				
22. Do., bullahs „		.....	60	60				
23. Estimated value of rafts Rs.		.....	278	278				
24. Tollage on boats „		66-7-0	138-3-0	204-10-0	3. Total ...		224 12 2	
25. Compounded tollage on boats Rs.		.....	.....	.....	
26. Tollage on rafts „		.....	12-4-2	12-4-2	4. Amount credited in the accounts of the month ...		222 2 2	
27. Demurrage of three boats „		6-14-0	.....	6-14-0				
28. Total tollage on boats per ton-mile Rs.		.....	.....	0-0-1-95				
29. Total tollage on rafts per 100 cubic feet Rs.		.....	.....	.....	5. Balance due at the end of the month ..		2 10 0	

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.	
		Quantity—Tons.			Quantity.	Value.
		Up.	Down.	Total.	Tons.	Rupees.
236	1. Grain ...	514	2,416	2,930	2,930	2,10,100
2	2. Cotton ...	.....	9	9	9	2,400
5	3. Oilseeds ...	2	62	64	64	11,080
25	4. Salt ...	56	42	98	98	11,650
...	5. Piece-goods ...	.....	.....	.....	.....	.....
...	6. Metal ...	.....	.....	.....	.....	.....
84	7. Building materials ...	.....	1,234	1,234	507	15,110
132	8. Miscellaneous ...	992	391	1,383	1,383	2,78,110
6	9. Fuel ...	15	.....	15	15	1,040
13 rafts	10. Timber ...	.....	11,076 c. ft.	11,076 c. ft.	11,076 c. ft.	2,990
13 „	11. Bamboos ...	.....	7,425 „	7,425 „	7,425 „	700
490 & 26 rafts.	12. Total ...	{ 1,579	{ 4,154 & 18,501 c. ft.	{ 5,733 & 18,501 c. ft. }	{ 5,006 & 18,501 c. ft. }	{ 5,33,180
394 & 43 rafts.	13. Total of same month last year.	{ 1,068	{ 1,996 & 69,217 No.	{ 3,064 & 69,217 No. }	{ 3,054 & 69,217 No. }	{ 3,69,420
14. Total number of boats plying cargo	No.	203	287	490	Rs. A.	
15. Total number of boats plying passenger	No.	68	73	141	Total tollage of month— 24 + 25 + 26 ...	
15½. Ditto empty boats	„	353	169	522	Total tollage of same month last year ...	
16. Total registered tonnage, cargo, private	Tons	2,844	6,232	9,076	5,374 6	
16½. Ditto ditto, Government	„	.....	1,113	1,113	Memorandum of Tollage.	
17. Total registered tonnage, passenger	Tons	2,545	1,852	4,397	Rs. A.	
17½. Ditto ditto empty boats	„	2,814	546	3,360	1. Balance not recovered on the 1st of the month ...	
18. Ton-mileage	...	299,135	465,285	754,420	4,742 12	
19. Estimated value of cargo	Rs.	2,76,110	2,54,730	5,30,840	2. Tollage per month ...	
20. Number of passengers	...	3,250	3,011	6,261	8,060 9	
21. Rafts, bamboos	C. ft.	.....	7,425	7,425	3. Total ...	
22. Do., timber	„	.....	11,076	11,076	12,803 5	
23. Estimated value of rafts	Rs.	.....	3,690	3,690	4. Amount credited in the accounts of the month ...	
24. Tollage on boats	„	3,037-8-8	4,880-4-10	7,917-13-6	5,772 1	
25. Compounded tollage on boats	Rs.	.....	.....	.....	5. Balance due at the end of the month ...	
26. Tollage on rafts	„	.....	142-11-8	142-11-8	7,031 4	
27. Total tollage on boats per ton-mile	Rs.	.....	.....	0-0-2 0		
28. Total tollage on rafts per 100 cubic feet	Rs.	.....	.....	0-12-4		

HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 33 MILES.

Number of boats rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.			REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
168	1. Grain ...	469	.....	469	31,130	469	31,130	
6	2. Cotton ...	5	4	9	2,500	9	2,500	
23	3. Oilseeds ...	54	.....	54	4,570	54	4,570	
54	4. Salt ...	.....	142	142	11,940	142	11,940	
...	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
...	6. Metal ...	.....	.....	.....	.....	.....	.....
31	7. Building materials ...	106	80	186	970	106	750	
65	8. Miscellaneous ...	107	69	176	9,890	176	9,890	
23	9. Fuel ...	184	.....	184	510	184	510	
12 rafts	10. Timber ...	13,272 c. ft.	138	13,410 c. ft.	4,570	13,410 c. ft.	4,570	
4 "	11. Bamboos ...	.....	1,812 c. ft.	1,812 "	110	1,812 "	110	
370 & 16 rafts.	12. Total ...	{ 925 & 13,272 c. ft.	295 & 1,950 c. ft.	1,220 & 15,222 c. ft.	{ 66,190	{ 1,140 & 15,222 c. ft.	{ 65,970	
289 & 8 rafts.	13. Total of same month last year ...	716 & 582 No.	205 & 15,900 No.	921 & 16,482 No.	{ 56,060	{ 836 & 16,482 No.	{ 55,820	
		Up.	Down.	Total.				Rs. A. P.
14. Total number of boats ply- ing cargo No.		283	87	370	Total tollage of month— 24 + 25 + 26 ...			900 10 1
15. Total number of boats ply- ing passenger No.		2	5	7	Total tollage of same month last year ...			643 12 6
15½. Ditto empty boats "		59	225	284	Memorandum of Tollage.			
16. Total registered tonnage, cargo, private Tons		1,926	503	2,429				Rs. A. P.
16½. Ditto ditto, Government "		.....	156	156				
17. Total registered tonnage, passenger Tons		19	33	52	1. Balance not recovered on the 1st of the month ...			363 2 7
17½. Ditto empty boats "		203	845	1,048				
18. Ton-mileage ...		51,965	34,094	86,059				
19. Estimated value of cargo Rs.		40,620	20,890	61,510	2. Tollage per month ...			900 10 1
20. Number of passengers ...		14	26	40				
21. Rafts, bamboos C. ft.		.....	1,812	1,812				
22. Do., timber "		13,272	138	13,410	3. Total ...			1,263 12 8
23. Estimated value of rafts Rs.		4,520	160	4,680				
24. Tollage on boats "		511-9-10	245-9-3	757-3-1	4. Amount credited in the accounts of the month			1,006 6 1
25. Compounded tollage on boats Rs.		.....	.....	.....	
26. Tollage on rafts "		134-13-9	8-9-3	143-7-0				
27. Total tollage on boats per ton-mile Rs.		.....	.....	0-0-17	5. Balance due at the end of the month ...			257 6 7
28. Total tollage on rafts per 100 cubic feet Rs.		.....	.....	0-15-0				

HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 12½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.
55	1. Grain ...	151½	1	152½	8,321	152½	8,321
1	2. Cotton ...	1	.....	1	140	1	140
2	3. Oilseeds ...	4	4	8	768	8	768
9	4. Salt ...	.....	36½	36½	5,110	36½	5,110
48	5. Piece-goods ...	.....	49½	49½	13,860	49½	13,860
...	6. Metal ...	.....	.....	.....	.....	.....	.....
7	7. Building materials ...	.....	73½	73½	32	.....	.....
11	8. Miscellaneous ...	5	37	42	5,358	42	5,358
32	9. Fuel ...	.....	201½	201½	593	7½	22
27 rafts	10. Timber, 1,061 No.	222 c. ft.	6,144 c. ft.	6,366 c. ft.	3,102	6,366 c. ft.	3,102
6 „	11. Bamboos 4,100 „	.....	4,100 No.	4,100 No.	123	4,100 No.	123
165	12. Total ...	{ 161½ 222	{ 403 6,144 c. ft. 4,100 No.	{ 564½ 6,366 c. ft. 4,100 No.	{ 37,407	{ 297 6,366 c. ft. 4,100 No.	{ 36,804
33 rafts.							
145	13. Total of same month last year.	{ 255½	{ 33½ & 5,130 c. ft. 36,550 No.	{ 594 5,130 c. ft. 36,550 No.	{ 33,429	{ 396½ 5,130 c. ft. 36,550 No.	{ 32,560
65 rafts.							
		Up.	Down.	Total.			
14.	Total number of boats plying cargo ... No.	58	107	165	Total tollage of month— 24 + 25 + 26 ...		
15.	Total number of boats plying passenger ... No.	1	1	2			
15½.	Ditto empty boats „	112	59	171	Total tollage of same month last year ...		
16.	Total registered tonnage, cargo and boat Tons	323	270	593			
16½.	Ditto of Govt. boat „	.....	536	536	Memorandum of Tollage.		
17.	Total registered tonnage, passenger Tons	6	3	9			
17½.	Ditto of empty do. „	417½	144	561½			
18.	Ton-mileage ...	9,564	11,542	21,106	1. Balance not recovered on the 1st of the month ...		
19.	Estimated value of cargo Rs.	9,393	24,789	34,182			
20.	Number of passengers ...	406½	268½	675			
21.	Bafts, bamboos No.	.....	4,100	4,100	2. Tollage per month ...		
22.	Do., bullahs C. ft.	222	6,144	6,366			
23.	Estimated value of rafts Rs.	30	3,195	3,225	3. Total ...		
24.	Tollage on boats „	91-12-6	159-7-0	251-3-6			
25.	Compounded tollage on boats Rs.	.....	.....	.....	4. Amount credited in the accounts of the month ...		
26.	Tollage on rafts „	0-9-9	48-1-9	48-11-6			
27.	Total tollage on boats per ton-mile Rs.	.....	.....	0-0-2-2			
28.	Total tollage on rafts per 100 cubic feet Rs.	.....	.....	0-12-0	5. Balance due at the end of the month ...		

* This excess remitted by the Toll Collector.

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
31	1. Grain ...	71	3	74	74	4,747	
...	2. Cotton ...	.....	.....	.....	.....	.....
...	3. Oilseeds ...	.....	.....	.....	.....	.....
1	4. Salt ...	.....	2½	2½	2½	460	
...	5. Piece-goods ...	.....	.....	.....	.....	.....
...	6. Metal ...	.....	.....	.....	.....	.....
2	7. Building materials ...	.....	11½	11½	11½	105	
6	8. Miscellaneous ...	.....	29	29	29	1,759	
...	9. Fuel ...	.....	.....	.....	.....	.....
3 rafts	10. Timber ...	.....	234 c. ft.	234 c. ft.	234 c. ft.	104	
1 raft	11. Bamboos ...	.....	50 No.	50 No.	50	2	
40 & 4 rafts.	12. Total ...	{ 71	{ 46 50 No. 234 c. ft.	{ 117 50 No. 234 c. ft.	{ 105½ 50 No. 234 c. ft.	{ 7,177 7,072	
79 & 6 rafts.	13. Total of same month last year.	{ 101	{ 28½ & 7,872 c. ft.	{ 129½ & 7,872 c. ft.	{ 120½ & 7,872 c. ft.	{ 9,674 9,425	
		Up.	Down.	Total.			Rs. A. P.
14.	Total number of boats plying cargo No.	30	10	40	Total tollage of month— 24 + 25 + 26 ...		53 4 0
15.	Total number of boats plying passenger No.	.....	.....	.....	Total tollage of same month last year ...		93 5 6
15½.	Ditto empty ditto „	10	29	39			
16.	Total registered tonnage, cargo and boat Tons	142	69	211			
16½.	Ditto Govt. boat „	.....	23	23	Memorandum of Tollage.		
17.	Total registered tonnage, passenger Tons	.....	.....	.....
17½.	Ditto empty ditto „	45	64	109			
18.	Ton-mileage ...	2,514	1,862	4,376	1. Balance not recovered on the 1st of the month ...		Rs. A. P.
19.	Estimated value of cargo Rs.	4,312	2,759	7,071			
20.	Number of passengers ...	333	272	605	2. Tollage per month ...		53 4 0
21.	Rafts, bamboos No.	.....	50	50			
22.	Do., bullahs C. ft.	.....	234	234	3. Total ...		53 4 0
23.	Estimated value of rafts Rs.	.....	106	106			
24.	Tollage on boats „	29-10-3	21-7-6	51-1-9	4. Amount credited in the accounts of the month ...		53 4 0
25.	Compounded tollage on boats Rs.	.....	.....	.....
26.	Tollage on rafts „	.....	2-2-3	2-2-3			
27.	Total tollage on boats per ton-mile Rs.	.....	.....	0-0-8.01			
28.	Total tollage on rafts per 100 cubic feet Rs.	.....	.....	0-14-6	5. Balance due at the end of the month ...		Nil

JAJEPORE CANAL.

LENGTH OF CANAL OPEN, 6½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
...	1. Grain ...	.....	.....	.....	.....	.....
...	2. Cotton ...	.....	.....	.....	.....	.....
...	3. Oilseeds ...	.....	.....	.....	.....	.....
1	4. Salt ...	5	.....	5	5	408	
2	5. Piece-goods ...	.....	4	4	4	1,120	
...	6. Metal ...	.....	.....	.....	.....	.....
...	7. Building materials ...	.....	.....	.....	.....	.....
22	8. Miscellaneous ...	.....	13½	13½	13½	2,054	
...	9. Fuel ...	.....	.....	.....	.....	.....
11 Rafts	10. Timber, 359 No.	.....	2,154	2,154 c. ft.	2,154 c. ft.	173	
3 "	11. Bamboos No.	.....	4,100	4,100	4,100	123	
25 No.	12. Total ...	{ 5	{ 17½ 2,154 c. ft.	{ 22½ 2,154 c. ft.	{ 22½ & 2,154 c. ft.	{ 3,878	
14 Rafts.			4,100 No.	4,100 No.	4,100 No.	3,878	
15 No.	13. Total of same	{ 35 &	.....	{ 35 &	{ 24 &	{ 5,492	
19 Rafts.	month last year.	5,070 c. ft.		5,070 c. ft.	5,070 c. ft.	5,460	
		Up.	Down.	Total.			Rs. A. P.
14.	Total number of boats plying cargo No.	1	24	25	Total tollage of month— 24 + 25 + 26 ...		17 5 8
15.	Total number of boats plying passenger No.	.....	1	1	Total tollage of same month last year ...		16 6 2
15½.	Ditto empty ditto "	27	6	33	Memorandum of Tollage.		
16.	Total registered tonnage, cargo and boat Tons	10	35	45			
16½.	Ditto Govt. boat "	.....	.....	.....
17.	Total registered tonnage, passenger Tons	.....	3	3			
17½.	Ditto empty ditto "	38	21	59			Rs. A. P.
18.	Ton-mileage ...	288	336	624			
19.	Estimated value of cargo Rs.	408	3,174	3,582	1. Balance not recovered on the 1st of the month ...	.....
20.	Number of passengers ...	107½	73½	181	2. Tollage per month ...	17 5 8	
21.	Rafts, bamboos No.	.....	4,100	4,100	3. Total ...	17 5 8	
22.	Do., bullahs C. ft.	.....	2,154	2,154	4. Amount credited in the accounts of the month ...	17 5 8	
23.	Estimated value of rafts Rs.	.....	296	296	5. Balance due at the end of the month ...	Nil	
24.	Tollage on boats "	3-7-6	6-4-0	9-11-6			
25.	Compounded tollage on boats Rs.	.....	.....	.....
26.	Tollage on rafts "	.....	7-10-2	7-10-2			
27.	Total tollage on boats per ton-mile Rs.	.....	.....	0-0-3-99			
28.	Total tollage on rafts per 100 cubic feet Rs.	.....	.....	0-5-2			

SOUTH-WESTERN CIRCLE.
MIDNAPORE CANAL.
LENGTH OF CANAL OPEN, 53 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
954	1. Grain ...	5,157	366	5,523	2,64,507	5,523	2,64,507	
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
11	3. Oilseeds ...	99	19	118	10,013	118	10,013	
84	4. Salt ...	.....	670	670	69,670	670	69,670	
11	5. Piece-goods ...	2	56	58	1,61,460	58	1,61,460	
24	6. Metal ...	106	125	231	1,73,285	231	1,73,285	
15	7. Building materials ...	90	7	97	596	22	186	
254	8. Miscellaneous ...	446	592	1,038	7,53,673	1,038	7,53,673	
13	9. Fuel ...	53	52	105	898	105	898	
70 rafts	10. Timber ...	14,704 c. ft.	264 c. ft.	14,968 c. ft.	7,524	14,968 c. ft.	7,524	
8 "	11. Bamboos ...	1,866 "	200 "	2,066 "	204	2,066 "	204	
1,366 & 78 rafts.	12. Total ...	{ 5,953 & 16,570 c. ft.	{ 1,887 & 464 c. ft.	{ 7,840 & 17,034 c. ft.	{ 14,41,830	{ 7,765 & 17,034 c. ft.	{ 14,41,420	
1,016 & 9 rafts.	13. Total of same month last year.	{ 9,081 & 39,600 c. ft.	{ 2,043 & 299 c. ft.	{ 11,124 & 39,899 c. ft.	{ 11,00,937	{ 11,124 & 39,899 c. ft.	{ 11,00,937	
		Up.	Down.	Total.				Rs. A. P.
14. Total number of boats plying cargo No.		1,054	312	1,366	Total tollage of month— 24 + 25 + 26 ...			11,043 10 6
15. Total number of boats plying passenger No.		465	577	1,042	Total tollage of same month last year ...			16,125 1 0
15½. Ditto empty "		451	770	1,221				
16. Total registered tonnage, cargo Tons		14,748	4,118	18,866	Memorandum of Tollage.			
17. Total registered tonnage, passenger Tons		3,798	3,474	7,272				
17½. Ditto empty "		1,960	3,613	5,573				Rs. A. P.
18. Ton-mileage ...		4,65,736	2,26,135	6,91,871	1. Balance not recovered on the 1st of the month ...			6,886 11 1
19. Estimated value of cargo Rs.		10,13,886	4,20,216	14,34,102	2. Tollage per month ...			11,043 10 6
20. Number of passengers ...		5,183	8,150	13,333				
21. Rafts, bamboos C. ft.		1,866	200	2,066				
22. Do., bullahs "		14,704	264	14,968	3. Total ...			17,930 5 7
23. Estimated value of rafts Rs.		7,015	713	7,728				
24. Tollage on boats "		7,285-10-3	3,492-1-0	10,777-11-3				
25. Compounded tollage on boats Rs.		.....	.....	.....	4. Amount paid into treasury during the month ...			14,189 4 3
26. Tollage on rafts "		263-4-0	2-11-3	265-15-3				
27. Total tollage on boats per ton-mile Rs.		.....	.....	0-0-2-9				
28. Total tollage on rafts per 100 cubic feet Rs.		.....	.....	1-9-0	5. Balance due at the end of the month ...			3,741 1 4

HIDGELLER TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
538	1. Grain ...	1,558	9	1,567	1,567	79,873	
...	2. Cotton ...	...	...	...	...	...
2	3. Oilseeds ...	...	4	4	4	330	
6	4. Salt ...	...	41	41	41	4,200	
1	5. Piece-goods ...	...	1	1	1	800	
2	6. Metal ...	18	11	29	11	6,000	
28	7. Building materials ...	7	134	141	141	7,496	
574	8. Miscellaneous ...	102	91	193	189	20,839	
11	9. Fuel ...	...	194	194	194	1,857	
4 rafts	10. Timber ...	...	126 c. ft.	126 c. ft.	126 c. ft.	129	
2 "	11. Bamboos ...	...	200 "	200 "	200 "	24	
1,162 & 6 rafts.	12. Total ...	{ 1,685	485 & 326 c. ft.	2,170 & 326 c. ft.	{ 2,148 & 326 c. ft.	{ 1,21,548	{ 1,18,248
1,144 & 15 rafts.	13. Total of same month last year.	{ 2,662 & 1,892 c. ft.	639 & 4,292 c. ft.	3,301 & 6,184 c. ft.	{ 3,211 & 6,184 c. ft.	{ 1,81,743	{ 1,80,833
14. Total number of boats plying cargo	No.	631	531	1,162	Total tollage of month— 24 + 25 + 26 ...		Rs. A. P. 1,517 6 9
15. Total number of boats plying passenger	No.	20	27	47	Total tollage of same month last year ...		2,783 15 0
16. Total registered tonnage, cargo	Tons	3,741	2,022	5,763	<i>Memorandum of Tollage.</i>		
17. Total registered tonnage, passenger	Tons	116	124	240			
18. Ton-mileage ...	...	55,567	30,930	86,497	Rs. A. P.		
19. Estimated value of cargo	Rs.	1,18,828	2,567	1,21,395			
20. Number of passengers ...	...	216	192	408	1. Balance not recovered on the 1st of the month ...		2,739 6 9
21. Rafts, bamboos	C. ft.	...	200	200	2. Tollage per month ...		1,517 6 9
22. Do., bullahs	"	...	126	126			
23. Estimated value of rafts	Rs.	...	153	153	3. Total ...		4,256 13 6
24. Tollage on boats	"	971-10-9	542-0-6	1,513-11-3			
25. Compounded tollage on boats	Rs.	...	0-5-6	0-5-6	4. Amount paid into treasury during the month ...		3,560 14 6
26. Tollage on rafts	"	...	3-6-0	3-6-0			
27. Total tollage on boats per ton-mile	Rs.	...	...	0-0-3-3			
28. Total tollage on rafts per 100 cubic feet	Rs.	...	...	1-0-6	5. Balance due at the end of the month		695 15 0

SONE CIRCLE.
PATNA CANAL SYSTEM.
LENGTH OF CANAL OPEN, 86½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
25	1. Grain ...	28	200	228	14,897	228	14,897	
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
8	3. Oilseeds ...	1	132	133	15,904	133	15,904	
...	4. Salt ...	44	.....	44	4,940	44	4,940	
14	5. Piece-goods ...	89	7	96	36,255	96	36,255	
...	6. Metal ...	11	1	12	4,822	12	4,822	
11	7. Building materials ...	30	74	104	641	55	420	
82	8. Miscellaneous ...	110	412	522	41,565	315	41,244	
1	9. Fuel { boat	2	..	2	50	2	50	
	rafts	.....	48	48	2.1	48	281	
...	10. Timber { boat	1	.....	1	70	1	70	
	rafts	.....	86	86	2,125	86	2,125	
11	11. Bamboos { boat	112	.....	112	4,675	112	4,675	
	rafts	.....	1,039	1,039	12,695	1,039	12,695	
152	12. Total ...	428	1,999	2,427	1,38,920	2,171	1,38,378	
135	13. Total of same month last year ...	484	1,495	1,943	1,44,254	1,680	1,42,590	
		Up.	Down.	Total.				Rs. A. P.
14.	Total number of boats plying cargo No.	54	98	152	Total tollage of month—24 + 25 + 26 ...			1,932 4 9
15.	Total number of boats plying passenger No.	6	5	11				
15½.	Ditto empty boats "	51	28	79	Total tollage of same month last year ...			1,545 12 9
16.	Total registered tonnage, cargo Tons	736	1,438	2,174				
17.	Total registered tonnage, passenger Tons	205	164	369				
17½.	Ditto empty boats "	207	131	338	Memorandum of Tollage.			
18.	Ton-mileage ...	51,694	1,64,531	2,16,225				Rs. A. P.
19.	Estimated value of cargo Rs.	68,254	55,565	1,23,819	1. Balance not recovered on the 1st of the month ...			399 10 4
20.	Number of passengers ...	381½	249½	631	2. Tollage per month ...			1,932 4 9
21.	Rafts, bamboos C. ft.	.....	1,55,803	1,55,803	3. Total ...			2,331 15 1
22.	Do., bullahs "	.....	10,077	10,077				
23.	Estimated value of rafts Rs.	.....	15,101	15,101				
24.	Tollage on boats "	313-4-6	737-9-3	1,050-13-9				
25.	Compounded tollage on boats Rs.	75-0-0	75-0-0	150-0-0				
26.	Tollage on rafts "	.....	731-7-0	731-7-0	4. Amount credited in the accounts of the month ...			1,916 12 0
27.	Total tollage on boats per ton-mile Rs.	.....	.....	0-0-1-06				
28.	Total tollage on rafts per 100 cubic feet Rs.	.....	.....	0-7-0	5. Balance due at the end of the month ...			415 3 1

'PTAH CANAL SYSTEM.
LENGTH OF CANAL OPEN, 65 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
20	1. Grain ...	26	212	238	20,675	238	20,675	
...	2. Cotton ...	.....	.....	.....	.....	..	.....
9	3. Oilseeds ...	1	167	168	18,808	168	18,808	
21	4. Salt ...	274	...	274	30,400	274	30,400	
2	5. Piece-goods ...	13	.....	13	16,900	13	16,900	
...	6. Metal ...	5	.....	5	42,645	5	42,645	
24	7. Building materials ...	.....	236	236	329	144	226	
71	8. Miscellaneous ...	88	281	369	25,807	294	25,759	
4	9. Fuel ...	65	.....	65	662	...	.....
...	10. Timber ...	.....	.....	.....	.....	.....	.....
Rafts.	11. { Bullahs ...	.....	376	376	2,870	376	2,870	
	{ Bamboos ...	.....	318	318	3,033	318	3,033	
	{ Firewood ...	.....	752	752	3,102	752	3,102	
151	12. Total ...	472	2,342	2,814	1,65,231	2,582	1,64,418	
120	13. Total of same month last year.	370	1,202	1,572	91,926	1,323	90,374	
		Up.	Down.	Total.			Rs. A. P.	
14.	Total number of boats ply- ing cargo No.	39	112	151	Total tollage of month— 24 + 25 + 26 ...		1,501 14 0	
15.	Total number of boats ply- ing passenger No.	1	1	2	Total tollage of same month last year ...		1,288 9 0	
15½.	Total number of empty boats No.	92	12	104				
16.	Total registered tonnage, cargo Tons	730	1,462	2,192				
17.	Total registered tonnage, passenger Tons	60	62	122				
17½.	Total registered tonnage, empty Tons	326	51	377				
18.	Ton-mileage ...	52,390	75,269	127,659				
19.	Estimated value of cargo Rs.	1,00,314	55,912	1,56,226				
20.	Number of passengers ...	829	856	1,685				
21.	Rafts, bamboos C.ft.	.....	47,797	47,797				
22.	Do., bullahs "	.....	28,254	28,254				
22½.	Do., firewood "	.....	56,465	56,465				
23.	Estimated value of rafts Rs.	.....	9,005	9,005				
24.	Tollage on boats "	251-5-9	484-13-6	736-3-3				
25.	Compounded tollage on boats Rs.	228-0-0	228-0-0	456-0-0				
26.	Tollage on rafts "	.....	309-10-9	309-10-9				
27.	Total tollage on boats per ton-mile Rs.	.....	.....	0-0-1-79				
28.	Total tollage on rafts per 100 cubic feet Rs.	.....	.....	0-3-8				
					Memorandum of Tollage.		Rs. A. P.	
					1. Balance not recovered on the 1st of the month ...	...	380 0 9	
					2. Tollage per month ...	...	1,501 14 0	
					3. Total ...	...	1,881 14 9	
					4. Amount credited in the accounts of the month ...	...	1,746 2 9	
					5. Balance due at the end of the month ...	...	135 12 0	

BUXAR CANAL SYSTEM.

LENGTH OF CANAL OPEN, 67 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
13	1. Grain ...	92	90	182	8,661	182	8,661	
...	2. Cotton ...	2	.....	2	3,310	2	3,310	
7	3. Oilseeds ...	1	143	144	14,336	144	14,336	
...	4. Salt ...	1	.....	1	144	1	144	
...	5. Piece-goods ...	.....	.....	.. ..	.....	.....	.....
...	6. Metal ...	2	.....	2	1,244	2	1,244	
9	7. Building materials ...	1	125	126	1,338	21	413	
26	8. Miscellaneous ...	11	373	384	26,965	384	26,965	
...	9. Fuel ...	.....	.....	.....	.....	.....	.....
Rafts {	10. Timber ...	.....	103	103	1,089	103	1,089	
	11. Bamboos ...	.....	56	56	1,053	56	1,053	
55	12. Total ...	110	890	1,000	58,140	895	57,215	
33	13. Total of same month last year.	16	893	909	37,198	904	37,048	
		Up.	Down.	Total.				Rs. A. P.
14. Total number of boats plying cargo No.		7	48	55	Total tollage of month— 24 + 25 + 26 ...			569 2 0
15. Total number of boats plying passenger No.		12	11	23				
15½. Ditto empty "		39	10	49				
16. Total registered tonnage, cargo Tons		142	1,096	1,238	Total tollage of same month last year ...			835 10 3
17. Total registered tonnage, passenger Tons		256	230	486				
17½. Ditto empty "		139	31	170				
18. Ton-mileage ...		9,113	29,306	38,419	Memorandum of Tollage.			Rs. A. P.
19. Estimated value of cargo Rs.		9,191	46,807	55,998				
20. Number of passengers ...		693	599	1,292	1. Balance not recovered on the 1st of the month ...			61 6 3
21. Rafts, bamboos C. ft.		.....	8,427	8,427				
22. Do., bullahs "		.....	7,774	7,774	2. Tollage per month ...			569 2 0
23. Estimated value of rafts Rs.		.....	2,142	2,142				
24. Tollage on boats "		73-13-9	238-4-6	312-2-3	3. Total ...			630 8 3
25. Compounded tollage on boats Rs.		107-0-0	107-0-0	214-0-0				
26. Tollage on rafts "		.....	42-15-9	42-15-9	4. Amount credited in the accounts of the month ...			593 9 6
27. Total tollage on boats per ton-mile Rs.		.....	.....	0-0-2-62				
28. Total tollage on rafts per 100 cubic feet Rs.		.....	.....	0-4-2	5. Balance due at the end of the month ...			36 14 9

**ABSTRACT FOR THE MONTH OF JANUARY 1890 AS COMPARED WITH THE
CORRESPONDING MONTH OF THE PREVIOUS YEAR.**

CANAL.	TRAFFIC, 1889-90.		TRAFFIC, 1888-89.		REMARKS.
	During the month.	To end of the month.	During the month.	To end of the month.	
<i>Orissa Circle.</i>	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Taldunda Canal System ...	223 12 2	3,055 7 3	498 2 6	2,320 0 0	
Kendrapara Canal System ...	8,060 9 2	44,501 4 3	5,374 6 0	39,732 11 6	
High Level, Range I ...	900 10 1	6,133 3 5	643 12 6	4,914 10 0	
Ditto " II ...	299 15 0	2,412 11 0	281 11 6	2,038 10 6	
Ditto " III ...	53 4 0	1,029 6 9	93 5 6	896 12 6	
Jajepore Canal ...	17 5 8	97 7 7	16 6 2	74 4 11	
Total Orissa Circle ...	9,555 8 1	57,229 8 3	6,907 12 2	49,975 1 5	
<i>South-Western Circle.</i>					
Midnapore Canal ...	11,043 10 6	1,17,206 6 0	16,125 1 0	1,17,474 8 9	
Hidgellie Tidal Canal ...	1,517 6 9	38,338 12 6	2,783 15 0	47,485 4 0	
Total South-Western Circle	12,561 1 3	1,55,545 2 6	18,909 0 0	1,64,959 12 9	
<i>Sone Circle.</i>					
Patna Canal System ...	1,932 4 9	20,226 12 6	1,545 12 9	20,916 11 6	
Arrah ditto ...	1,501 14 0	15,308 12 8	1,288 9 0	16,237 11 2	
Buxar ditto ...	569 2 0	5,837 7 8	835 10 3	7,611 5 9	
Total Sone Circle ...	4,003 4 9	41,373 0 10	3,670 0 0	44,765 12 5	
GRAND TOTAL ...	26,119 14 1	2,54,147 11 7	29,486 12 2	2,59,700 10 7	

GOVERNMENT TRANSPORT SERVICE.

CANAL.	TRAFFIC, 1889-90.						TRAFFIC, 1888-89.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.
<i>Orissa Circle.</i>	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
High Level ...	1,231	970	1,175 7 10	6,780	6,837	8,290 12 4	638	1,302	1,007 9 2	4,349	4,024	5,135 0 4
Total Orissa Circle ...	1,231	970	1,175 7 10	6,780	6,837	8,290 12 4	638	1,302	1,007 9 2	4,349	4,024	5,135 0 4

TOTAL NAVIGATION RECEIPTS.

CANAL.	EARNINGS, 1889-90.		EARNINGS, 1888-89.		REMARKS.
	During the month.	To end of the month.	During the month.	To end of the month.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Orissa Canals ...	10,730 15 11	65,520 4 7	7,915 5 4	55,110 1 9	
Midnapore Canal ...	11,043 10 6	1,17,206 6 0	16,125 1 0	1,17,474 8 9	
Hidgellie Tidal Canal ...	1,517 6 9	38,338 12 6	2,783 15 0	47,485 4 0	
Sone Canals ...	4,003 4 9	41,373 0 10	3,670 0 0	44,765 12 5	
Total ...	27,295 5 11	2,62,438 7 11	30,494 5 4	2,64,835 10 11	

CALCUTTA,
The 22nd April 1890.

G. A. G. SHAWR,
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS.

Statement showing quantities of Goods carried during the month of February 1890.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
857	1. Grain ...	3,433	2,817	6,250	3,23,371	6,250	3,23,371	* 61 Maunds raised up on Malabanga river.
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
37	3. Oilseeds ...	.....	483	483	55,763	483	55,763
251	4. Salt ...	2,170	.....	2,170	1,85,345	2,170	1,85,345
...	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
29	6. Metal* ...	118.5	24.25	142.75	83,507	142.75	83,507	
13	7. Building materials ...	153	1	154	2,505	154	2,505	
693	8. Miscellaneous ...	2,114	4,386.5	6,500.5	9,98,010	6,500.5	9,98,010	
120	9. Fuel ...	1,361.8	142	1,503.8	19,254	1,503.8	19,254	
Rafts 193	10. Timber ...	1,357 c. ft.	47,715 c. ft.	49,066 c. ft.	1,32,803	49,066 c. ft.	1,32,803	
" 2	11. Bamboos ...	.....	2,750 "	2,750 "	275	2,750 "	275
2,000 & 195 rafts.	12. Total ...	{ 9,356.3 & 1,257 c. ft.	{ 7,853.75 & 50,465 c. ft.	{ 17,204.05 & 51,816 c. ft.	{ 18,00,833	{ 17,204.05 & 51,816 c. ft.	{ 18,00,833	
1,645 & 13 rafts.	13. Total of same month last year	{ 6,204 & 848 c. ft.	{ 7,465 & 3,420 c. ft.	{ 13,669 & 4,268 c. ft.	{ 13,70,275	{ 13,669 & 4,268 c. ft.	{ 13,70,275	

	Up.	Down.	Total.		Rs. A. P.
14. Total number of boats plying cargo No.	1,208	792	2,000	Total tollage of month—24+25+26 ...	10,237 15 6
14a. Ditto empty boats, " "	613	398	1,011	Total tollage of same month last year ...	8,106 6 0
15. Total number of boats plying passenger No.	834	729	1,563	<i>Memorandum of Tollage.</i>	
15a. Ditto empty boats " "	11	3	14		
16. Total registered tonnage, cargo Tons	26,067	17,116	43,183	1. Balance not recovered on the 1st of the month ...	Rs. A. P. 349 3 6
17. Total registered tonnage, passenger Tons	131	135	266	2. Tollage per month ...	10,237 15 6
18. Ton-mileage	.....	.....	.....	3. Total ...	10,587 3 0
19. Estimated value of cargo Rs.	8,07,494	8,60,261	16,67,755	4. Amount paid into treasury during the month ...	10,242 2 6
20. Number of passengers No.	2,069	2,952	5,021	5. Balance due at the end of the month ...	345 0 6
21. Rafts, bamboos C. ft.	...	2,750	2,750		
22. Do., bullabs " "	1,351	47,715	49,066		
23. Estimated value of rafts Rs.	2,278	1,30,800	1,33,078		
24. Tollage on boats " "	5,140-10-6	4,383-15-6	9,524-10-0		
25. Compounded tollage on boats Rs.	.....	.....	.....
26. Tollage on rafts " "	12-4-6	701-1-0	713-5-6		
27. Total tollage on boats per ton-mile* ...	.....	.....	.....
28. Total tollage on rafts per 100 cubic feet ... Rs.	.....	.....	1-6-0		

* Boats in these rivers do not pay per mile.

Abstract for the month of February 1890 as compared with the corresponding month of the previous year.

	1889-90.		1888-89.	
	During the month.	To end of the month.	During the month.	To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Tollage ...	10,237 15 6	1,78,112 12 3	8,106 6 0	1,83,793 7 2

CALCUTTA,
The 22nd April 1890.G. A. G. SHAW,
Under-Secy to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

ORISSA COAST CANAL SYSTEM.

LENGTH OF CANAL OPEN, 97½ MILES.

Statement showing quantities of Goods carried during the month of February 1890.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
338	1. Grain ...	3,045	88	3,133	1,20,667	3,133	1,20,667	
...	2. Cotton ...	.....	.....	.....	.....	...	.....
6	3. Oilseeds ...	8	.....	8	945	8	945	
20	4. Salt ...	.....	120	120	14,025	120	14,025	
8	5. Piece-goods ...	.....	28	28	4,228	28	4,228	
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
39	7. Building materials ...	31	60	91	492	53	322	
782	8. Miscellaneous ...	229	490	719	71,861	681	71,671	
21	9. Fuel ...	1	381	382	4,618	382	4,618	
Rafts 12	10. Timber ...	1,100 c. ft.	522 c. ft.	1,622 c. ft.	3,152	1,622 c. ft.	3,152	
" 11	11. Bamboos ...	450 "	275 "	725 "	86	725 "	86	
1,214 } 23 rafts }	12. Total ...	{ 3,314 & 1,550 c. ft.	{ 1,167 & 797 c. ft.	{ 4,481 & 2,347 c. ft.	{ 2,20,074	{ 4,405 & 2,347 c. ft.	{ 2,19,714	
1,489 } 27 rafts }	13. Total of same month last year	{ 3,766 & 537 c. ft.	{ 1,160 & 1,800 c. ft.	{ 4,926 & 2,337 c. ft.	{ 2,23,178	{ 4,822 & 2,337 c. ft.	{ 2,21,395	
		Up.	Down.	Total.				Rs. A. P.
14. Total number of boats plying cargo No.		566	648	1,214	Total tollage of month— 24+25+26 ...			5,866 12 3
15. Total number of boats plying passenger No.		94	70	164	Total tollage of same month last year ...			6,946 7 3
16. Total registered tonnage, cargo Tons		6,577	4,338	10,915	Memorandum of Tollage.			
17. Total registered tonnage, passenger Tons		883	886	1,769				
18. Ton-mileage ...		183,046	150,183	333,229				
19. Estimated value of cargo Rs.		130,316	86,520	2,16,836				
20. Number of passengers No.		2,223	2,857	5,080				
21. Rafts, bamboos C. ft.		450	275	725				
22. Do., bullahs "		1,100	522	1,622				
23. Estimated value of rafts Rs.		1,799	1,439	3,238				
24. Tollage on boats "		4,787-0-6	1,056-9-0	5,843-9-6				
25. Compounded tollage on boats Rs.		.....	0-1-9	0-1-9				
26. Tollage on rafts "		21-4-0	1-13-0	23-1-0				
27. Total tollage on boats per ton-mile Rs.		.....	.....	0-0-3-3				
28. Total tollage on rafts per 100 cubic feet Rs.		.....	.....	0-15-8				
					1. Balance not recovered on the 1st of the month ...			4,681 12 6
					2. Tollage per month ...			5,866 12 3
					3. Total ...			10,548 8 9
					4. Amount paid into treasury during the month ...			4,694 2 9
					5. Balance due at the end of the month ...			5,854 6 0

Abstract for the month of February 1890 as compared with the corresponding month of the previous year.

	1889-90.		1888-89.	
	During the month.		During the month.	
	To end of the month.	To end of the month.	To end of the month.	To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Tollage ...	5,866 12 3	55,258 13 0	6,946 7 3	60,106 5 3

CALCUTTA,
The 22nd April 1890.G. A. G. SHAW, E.
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS.

Statement showing quantities of Goods carried during the month of February 1890.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
1,603	1. Grain ...	32,926	17	32,943	36,51,568	32,943	36,51,568	* For details, see next page.
4	2. Cotton ...	59	.....	59	31,350	59	31,350
3	3. Oilseeds ...	7	27	34	4,512	34	4,512	
387	4. Salt ...	365	6,610	6,975	6,59,104	6,975	6,59,104	
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
6	6. Metal ...	5	28	33	6,587	33	6,587	
155	7. Building materials ...	3,041	478	3,519	50,463	3,519	50,463	
2,172	8. Miscellaneous* ...	19,604	2,333	21,937	27,50,152	21,937	27,50,152	
511	9. Fuel ...	10,668	2,928	13,596	1,04,244	13,596	1,04,244	
.....	10. Timber ...	.....	.....	.....	.....	.....	.....
.....	11. Bamboos ...	.....	.....	.....	.....	.....	.....
4,841	12. Total ...	66,675	12,421	79,096	72,57,980	79,096	72,57,980	
5,029	13. Total of same month last year.	74,473	9,286	83,759	70,00,332	83,759	70,00,332	
		Up.	Down.	Total.				
14.	Total number of boats plying cargo No.	4,152	689	4,841	Total tollage of month— 24+25+26 ...	Rs.* A. P. 48,445 4 9		
14a.	Empty "	2,595	1,001	3,596				
15.	Total number of boats plying passenger No.	405	3	408	Total tollage of same month last year ...	50,417 2 9		
16.	Total registered tonnage, cargo Tons	188,028	33,459	2,21,487	Memorandum of Tollage.			
17.	Total registered tonnage, passenger Tons	774	20	794				
18.	Ton-mileage ...	16,48,840	3,34,590	19,83,430	Rs. A. P.			
19.	Estimated value of cargo Rs.	62,96,618	9,61,362	72,57,980	1. Balance not recovered on the 1st of the month ...	2,292 1 6		
20.	Number of passengers No.	5,626	20	5,646	2. Tollage per month ...	48,445 4 9		
21.	Rafts, bamboos C. ft.	.....	.....	.....	3. Total ...	50,737 6 3	
22.	Do., bullahs "	.....	.....	.....	4. Amount paid into treasury during the month ...	49,132 15 6	
23.	Estimated value of rafts Rs.	.....	.....	.....	5. Balance due at the end of the month ...	1,604 6 9	
24.	Tollage on boats "	40,242-11-3	8,202-9-6	48,445-4-9				
25.	Compounded tollage on boats Rs.	.....	.....	.....	
26.	Tollage on rafts "	.....	.....	.....	
27.	Total tollage on boats per ton-mile Rs.	C-0-4-68						
28.	Total tollage on rafts per 100 cubic feet Rs.	.....	.....	4-...			

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).
CALCUTTA AND EASTERN CANALS.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
639	(a) Jute ...	15,375	38	15,413	19,42,087	15,413	19,42,087	
38	(b) Jaggery ...	197	104	301	33,700	301	33,700	
3	(c) Sugar ...	11	.....	11	3,087	11	3,087	
2	(d) Tobacco ...	.....	3	3	700	3	700	
784	(e) Fish ...	279	1	280	78,320	280	78,320	
12	(f) Hides ...	17	.....	17	3,850	17	3,850	
48	(g) Poultry ...	12	.....	12	5,191	12	5,191	
135	(h) Hay and straw ...	1,181	.....	1,181	24,798	1,181	24,798	
91	(j) Oil ...	.....	1,496	1,496	2,09,425	1,496	2,09,425	
30	(k) Earthenware ...	54	.....	54	757	54	757	
390	(m) Other miscella- neous ...	2,478	691	3,169	4,48,237	3,169	4,48,237	
2,172	Total Miscellaneous...	19,604	2,333	21,937	27,50,152	21,937	27,50,152	

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.
SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing quantities of Goods carried during the month of February 1890.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.		
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
5,408	1. Grain ...	14,086	19	14,105	14,33,983	14,105	14,33,983	* For details, see next page.
9	2. Cotton ...	54	.....	54	28,975	54	28,975
9	3. Oilseeds ...	159	9	168	23,300	168	23,300	
65	4. Salt ...	572	358	930	87,918	930	87,918	
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
265	7. Building materials	2,436	.....	2,436	10,903	2,436	10,903
1,319	8. Miscellaneous* ...	4,099	79	4,178	4,31,676	4,178	4,31,676	
172	9. Fuel ...	2,509	48	2,557	20,236	2,557	20,236	
4 rafts.	10. Timber ...	2,498 c. ft.	1,080 c. ft.	3,578 c. ft.	8,050	3,578 c. ft.	8,050	
4 rafts.	11. Bamboos ...	190 "	.....	190 "	31	190 "	31
7,247 & 8 rafts.	12. Total ...	{ 23,915 & 2,688 c. ft.	{ 513 & 1,080 c. ft.	{ 24,428 & 3,768 c. ft. }	{ 20,45,072 {	{ 24,428 & 3,768 c. ft. }	{ 20,45,072	
6,161 & 10 rafts.	13. Total of same month last year ...	{ 25,265 & 287 c. ft.	{ 481 &	{ 25,746 & 287 c. ft. }	{ 16,95,317 {	{ 25,746 & 287 c. ft. }	{ 16,95,317	
14. Total number of boats plying cargo ... No.		7,184	63	7,247	Total tollage of month—24+25+26 ...		Rs. A. P. 12,761 0 9	
14a. Empty " "		1,414	305	1,719	Total tollage of same month last year ...		13,044 12 3	
15. Total number of boats plying passenger ... No.		734	14	748	Memorandum of Tollage.			
16. Total registered tonnage, cargo ... Tons		76,371	2,451	78,822				
17. Total registered tonnage, passenger ... Tons		1,741	50	1,791	Rs. A. P.			
18. Ton-mileage ...		6,81,286	39,216	7,20,502	1. Balance not recovered on the 1st of the month ...		330 9 0	
19. Estimated value of cargo Rs.		19,88,271	48,720	20,36,991	2. Tollage per month ...		12,761 0 9	
20. Number of passengers No.		5,796	159	5,955	3. Total ...		13,091 9 9	
21. Rafts, bamboos C. ft.		190	.....	190	4. Amount paid into treasury during the month ...		12,868 14 3
22. Do., bullahs "		2,498	1,080	3,578	5. Balance due at the end of the month ...		222 11 6	
23. Estimated value of rafts Rs.		5,651	2,430	8,081				
24. Tollage on boats "		12,100-5-9	613-0-0	12,713-5-9				
25. Compounded tollage on boats ... Rs.		.....	.....	.....	
26. Tollage on rafts "		22-6-0	25-5-0	47-11-0				
27. Total tollage on boats per ton-mile Rs.		.....	.....	0-2-3-38			
28. Total tollage on rafts per 100 cubic feet ... Rs.		.....	.....	1-4-2			

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).
TOLLY'S NULLAH.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
12	(a) Jute ...	96	.....	96	12,150	96	12,150	
101	(b) Jaggery ...	623	3	626	70,100	626	70,100	
1	(c) Sugar ...	3	.....	3	712	3	712	
7	(d) Tobacco ...	55	14	69	13,475	69	13,475	
238	(e) Fish ...	50	1	51	14,223	51	14,223	
1	(f) Hides ...	2	.....	2	600	2	600	
1	(g) Poultry ...	1	.....	1	160	1	160	
554	(h) Hay and straw...	940	.....	940	19,745	940	19,745	
30	(j) Oil ...	258	.....	258	36,125	258	36,125	
84	(k) Earthenware ...	119	5	124	1,734	124	1,734	
290	(m) Other miscellane- ous.	1,952	56	2,008	2,62,652	2,008	2,62,652	
1,319	Total Miscellaneous...	4,099	79	4,178	4,31,676	4,178	4,31,676	

ABSTRACT FOR THE MONTH OF FEBRUARY 1890, AS COMPARED WITH THE
CORRESPONDING MONTH OF THE PREVIOUS YEAR.

	TRAFFIC, 1889-90.			TRAFFIC, 1888-89.		
	During the month.		To end of the month.	During the month.		To end of the month.
	Rs.	A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta and Eastern Canals ...	48,445	4 9	3,39,271 7 0	50,417	2 9	3,93,642 11 0
Tolly's Nullah ...	12,761	0 9	94,335 2 6	13,044	12 3	1,22,274 4 3
Total ...	61,206	5 6	4,33,606 9 6	63,461	15 0	5,15,916 15 3

Calcutta,
The 22nd April 1890.

G. A. G. SHAW, E.
Under-Secretary to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 19th April 1890,
as compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 19TH APRIL 1890.			WEEK ENDING SATURDAY, THE 20TH APRIL 1889.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	145	35,200	524	204	69,950	1,158
Jute ...	12	5,050	84	13	5,900	103
Firewood ...	60	33,725	467	118	47,965	730
Other articles ...	497	1,17,150	1,611	700	1,66,410	2,593
Total ...	714	1,91,125	2,686	1,035	2,90,225	4,589

Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of January 1890, as compared with the same month of the previous year.

STAPLES.	1890.		1889.		TOTAL.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1890.	1889.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	12,954	4,125	13,300	2,704	17,659	16,604	1,076	.....
Cotton, raw	158	927	13	626	1,085	639	446	.....
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles								
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes	2,063	74	2,229	208	2,139	2,437	.....	298
Grains—								
2.—Rice	2,663	4,100	1,178	2,790	6,763	3,968	2,795	.....
5.—Others	987	14,612	869	9,056	15,599	9,925	5,674	.....
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—								
a.—Dressed								
b.—Undressed	8	650	10	701	658	711	.....	53
Jute—								
1.—Raw—								
a.—Screwed	109	8,160	.....	4,601	8,278	4,601	3,677	.....
b.—Unscrewed	22	26,633	7	19,611	26,635	19,618	7,017	.....
2.—Gunny-bags and cloth	327	1,015	132	882	1,342	1,024	318	.....
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought								
4.—Iron	1,409	460	1,497	154	1,869	1,651	218	.....
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	401	1	394	4	492	398	94	.....
3.—Others	254	48	171	43	302	214	88	.....
Oilseeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger								
5.—Castor								
6.—Poppy								
7.—Others	132	1,205	35	998	1,537	1,033	504	.....
Provisions—								
2.—Betelnuts	93	597	154	73	690	227	463	.....
3.—Others	575	449	503	611	1,024	1,174	.....	150
Railway plant and rolling-stock	3,174	1,240	4,070	2,713	4,414	7,383	.....	2,969
Salt	5,907	5	3,140	4	3,912	5,144	768	.....
Sugar—								
1.—Drained								
2.—Undrained	1,490	332	911	1,061	1,822	1,972	.....	150
Tea—								
1.—Foreign								
2.—Indian	1	638	2	338	639	340	299	.....
Wood—								
1.—Timber	949	92	102	146	341	248	93	.....
2.—Firewood	1,833	1	2,470	.....	1,854	2,470	.....	616
Tobacco	63	1,096	82	1,288	1,161	1,330	.....	169
All other articles of merchandise—								
1.—Unmanufactured	4,517	1,784	4,646	1,788	6,301	6,434	.....	133
2.—Manufactured	477	.....	813	.....	477	813	.....	336
Hay, straw, and wooloo (C. & S.-E. Section)								
Total	37,980	68,254	37,348	50,410	1,00,234	87,768	23,360	4,874

Comparative Statement of traffic for January 1890.

INCREASES.		Tons.
Coal	.....	1,076
For railway and flotilla consumption.	.....	446
Cotton, raw	.....	.....
Of this increase the P. T. Railway contributed 9,215 maunds and Narayanganj 3,300 maunds.	.....	2,795
Rice	.....	.....
Of this increase the Northern Section contributed 46,000 maunds, and the Southern Section the remainder.	.....	.....
The increase is due to a favourable winter crop.	.....	7,037
Jute, unscrewed	.....	.....
This increase was principally contributed by Mymensingh which despatched 168,452 maunds during the month, being an increase of 135,422 maunds over the despatches in the corresponding month of 1889.	.....	.....
The Northern Section contributed the remainder of the increase.	.....	3,677
Jute, screwed	.....	.....
About one-third of this increase was contributed by Narayanganj. The increase is due to extended arrangements with jute-balers.	.....	318
Gunny-bags and cloth	.....	.....
Probably from Serajganj, the return for which place is not to hand.	.....	304
Oil-seeds	.....	.....
From Forbessganj, Kashba, and Katihar principally.	.....	463
Betel-nuts	.....	.....
From and via Khoolna.	.....	768
Salt	.....	.....
The increase is in booking from Chitpore station.	.....	.....
DECREASES.		Tons.
Railway plant, &c.	.....	2,969
Due to completion of works on the Behar Section.	.....	616
Tobacco	.....	.....
Rungpur and Kaunia show the principal decreases.	.....	.....

F. P. QUINLAN,
Examiner of Accounts.

CALCUTTA, the 19th April 1890.

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the four weeks ended 22nd February 1890,
as compared with the same period of 1889.

STAPLES.	1889.		1890.		Increase.		Decrease.	
	Weight.		Weight.		Weight.		Weight.	
	Mds.	Ra.	Mds.	Ra.	Mds.	Ra.	Mds.	Ra.
ANIMALS, LIVING.	No.		No.		No.		No.	
FOR SALE.								
Horses, ponies, and mules	122	4,028	151	2,082	1	1,036		
Cattle	118	843	111	1,095	7			
Sheep and goats	4,710	3,614	3,667	2,927	1,043	2,687		
Other kinds								
BORAX	6,714	5,017	4,339	3,200	2,375	1,811		
Canes and rattans	173	101	132	83	41	18		
Cacoutchouc (Indian-rubber)								
Chinese and Japanese ware	85	68	66	63	19	5		
Coal and coke, up	10,20,862	2,50,480	9,30,922	3,13,760	89,940			
Do, down	29,07,668	3,87,109	34,92,328	4,77,910			5,84,600	96,810
Cotton, raw	2,37,711	2,01,291	1,81,835	1,20,903	55,876	71,388	1,938	2,094
COTTON, MANU-FACTURED.								
Twist and yarn (European)	6,706	8,387	8,384	7,781		735		
Do (Indian)	14,053	8,486	12,808	14,055			10,977	20,560
Piece-goods (European)	1,16,597	1,19,595	1,37,374	1,40,555			1,154	1,813
Do (Indian)	19,316	13,559	29,470	13,363			100	182
Drugs and medicines.								
Asafetida	478	209	578	291			186	121
Other sorts, not intoxicating	1,748	1,597	1,084	1,718				
Intoxicating drugs (other than opium, i.e., arsenic, bhang, ganja, and charas, &c.)	1,419	639	1,205	589	211	60		
DYEING MATERIALS.								
Indigo	1,887	2,063	1,190	1,503	697	500		
Madder or manjit	1	3	38	22			97	19
Safflower	78	29	44	17	34	12		
Turneric	9,506	3,349	9,151	5,024	355	325		
Other kinds	6,627	4,181	8,362	4,265			1,733	84
Earthenware and porcelain	749	1,169	696	1,043	53	126		
FIBROUS PRODUCTS.								
Jute, raw	37,462	17,142	17,263	4,659	20,199	7,483		
Do, manufactured (gunny-bags and cloths).	63,058	30,812	55,842	26,704	7,216	4,108		
Other fibres, raw	17,810	5,537	30,765	10,101			12,955	6,564
Do, manufactured	2,449	962	1,415	472	1,034	489		
FRUITS & NUTS								
Cocoanuts	4,460	2,619	3,930	1,723	530	896		
All other kinds	59,617	30,918	35,514	21,162	24,103	9,756		
Wheat	1,50,280	58,346	1,51,510	43,146	8,070	13,200		
Gram and pulses	2,14,618	88,759	2,40,895	51,259		2,500	24,289	78,100
GRAIN & PULSES								
Rice, husked	7,44,579	1,17,405	9,17,330	1,99,505			1,72,990	2,749
Do, unhusked	1,074	1,166	39,674	3,846			38,600	5,219
Other rain and spring crops	1,01,276	14,354	1,26,716	20,144			25,440	
Gums and resins	4,780	2,637	4,133	2,229	647	408		
HIDES & SKINS.								
Hides of cattle	56,063	36,112	76,405	54,431			20,342	18,319
Skins of sheep, goats, and small animals.	11,873	4,839	11,358	5,136	485			289
Horns	1,453	659	762	481	691	178		
LAC								
Lac, dye	25	4	520	104			295	100
Do, shell	20,214	13,634	19,462	14,763	752			1,129
Do, stick and other kinds	22,696	8,370	32,230	10,706			6,634	2,336
LEATHER								
Leather, unmanufactured	1,983	3,637	2,045	3,889			65	532
Do, manufactured	2,662	3,619	2,479	3,947	183			337
Liquors	14,615	10,102	10,546	10,874		228	2,531	
Mats	1,153	551	871	533	282	18		
METALS AND MANUFACTURES OF.								
Brass and copper	26,329	17,883	16,824	12,029	6,505	5,063		
Iron	1,13,966	65,506	87,870	47,241	26,095	18,265		
Other metals	3,401	1,889	3,761	2,595			1,370	709
Oils	1,07,012	54,769	43,042	19,876	63,079	34,893		
Opium	19,631	22,823	885	688	18,746	22,135		
Paints and colours	26,804	3,184	2,390	2,671	24,414	613		
PROVISIONS								
Ghee	33,219	19,673	36,461	18,787		886	2,552	430
Other kinds	6,791	7,392	7,466	7,822			972	
Railway materials.	94,240	3,070	92,940	2,960	1,300	980		
Construction Account								
Do, ditto.	1,24,016	36,549	86,138	32,530	37,878	4,019		
Salt	5,44,950	1,66,861	4,20,920	82,930	1,24,030	23,931		
SALTPETRE, &c.								
Saltpetre	86,857	42,047	70,705	34,716	10,092	7,331		
Other saline substances	10,106	3,250	10,055	3,088	111	201		
SEEDS								
LINSEED	49,827	15,761	47,797	15,161	2,130	600		
MUSTARD AND RAPE	2,93,430	60,338	2,45,990	58,248	47,440	2,060		
TIL OR GINJELLY	34,785	9,140	17,465	2,810	10,320	6,330		
Other oilseeds	57,537	14,294	51,537	16,934	6,100			
Indigo seed	1,33,435	46,759	1,44,605	47,960			11,170	1,250
TEA SEED								
Other kinds	24,383	11,451	26,183	10,801	8,460	650		
SILK								
Silk, raw	3,254	2,217	2,621	1,920	633	297		
Do, manufactured (European)								
Do, ditto (Indian)	411	310	419	325			8	15
SPICES								
Black pepper	55,467	41,492	13,855	11,123	41,632	30,368		
Do, white	2,26,132	26,301	1,99,643	25,934	26,489	367		
SUGAR								
Sugar, refined	2,00,883	35,608	1,57,704	24,745	43,183	10,263		
Do, unrefined	3,99,658	69,560	3,55,830	48,099	43,828	21,360		
TEA								
Do, Indian	1,268	874	1,596	1,381			238	567
Do, Foreign							15	19
TOBACCO								
Do	19,895	8,846	17,083	7,681	1,912	1,164		
WOOD								
Timber	53,064	9,472	38,125	8,206	14,939	1,266		
Firewood	48,276	5,711	28,401	2,664	19,875	1,657		
Wool, raw	1,944	1,689	435	371	1,569	1,317		
Do, manufactured (European)	94	196	72	140	22	20		
Wool, manufactured (Indian)								
Shawls	1,375	1,164	1,244	908	129	166		
Other articles of merchandise	2,50,925	1,25,211	2,50,465	1,44,825			173	19,614
Minerals	59,020	19,330	20,372	6,878	39,158	12,452		
Potatoes	2,18,383	30,613	1,82,466	26,965	35,917	3,648		
Government stores	33,577	8,544	42,771	7,245		1,502	3,794	1,134
Total	92,94,783	23,99,534	93,66,889	23,82,527	8,54,168	3,34,264	9,26,274	3,17,277

General remarks on the fluctuations of principal staples carried over the East Indian Railway during 4 weeks ended 22nd February 1890.

INCREASES.

Cotton.—The increase was chiefly in despatches from stations above Cawnpore to Howrah for export.
Wheat.—The improvement in this staple was due to a fair demand in Calcutta for local consumption, despatches having been made chiefly from Sahibgunge, Bhagulpore, Aligarh, Hathras, and Delhi.

Gram and Pulses.—There was a decrease in the weight carried attended with an increase in the earnings; the former was due to heavy short lead despatches last year from stations on the R. district. The increase in earnings was chiefly in dall from Cawnpore to Howrah for export to Rangoon.

Iron.—The increase under this head was chiefly in iron pipes despatched from Howrah for the new water-works at Agra and Delhi; some scrap materials also were brought down to Howrah for sale.

Oils.—This was chiefly in despatches of kerosine-oil from Howrah to Patna *via* Moghul Serai, and to stations on the East Indian Railway.

Opium.—The increase was principally in consignments to Howrah from Ghazipore *via* Tari Ghât.

Foreign Railway Material.—This was chiefly in despatches of materials to Damooda, Chakardarpur, and Umaria for the Bengal-Nagpur Railway, and to Delhi for the Delhi-Umballa-Kalka Railway.

Salt.—Due to a good demand for Liverpool salt. Despatches were chiefly made from Howrah to stations on the Assam-Bihar, Tirhoot State, and the Bengal and North-Western Railways.

Saltpetre.—Chiefly in despatches from Patna, Mokameh Ghât, and Delhi to Howrah for export to China.

Seeds.—The increase was in the new crop of mustard-seed from the Tirhoot State and the Oudh and Rohilkhand Railways to Howrah, principally for local consumption.

Spices.—Principally in chillies from Mokameh and Mokameh Ghât to Howrah, Burdwan, and stations on the Eastern Bengal State Railway.

Sugar (refined and unrefined).—The increase was chiefly in despatches from stations on the Shahabad district to Howrah for export to Assam and Burmah, owing to supplies from Mauritius having fallen off.

Bones.—In despatches from Mokameh Ghât, Allahabad and *via* Moghul Serai to Bally and Chitpur.

DECREASES.

Coal and Coke.—This is in continuation of the decreases previously reported, and was principally in downwards traffic.

Piece-goods.—The decrease was chiefly in despatches from Howrah; there was also a falling off in the despatches from Bombay to Cawnpore *via* Jubbulpore consequent on diversion to the Itarsi route.

Rice (husked and unhusked).—The falling off in this commodity was principally at stations on the "A" and "R" districts, owing to there being no demand at stations on the "B" district and on the Tirhoot State Railway this year.

Hides.—The decrease was in despatches from the principal sending stations up-country, and was due to small supplies in local markets.

TRAFFIC MANAGER'S OFFICE, CALCUTTA, 17th April 1890.

ALLEN MEARS, Deputy Traffic Manager.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 12th April 1890, on 1,525½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	248,849	2,89,218 7 0	22,27,070 30	6,64,047 10 0	19,501 8 0	9,72,768 9 0	67,002½	105,302	172,304½
Or per mile of railway ...	163 9 5	190 9 5	14,455 4 9	435 4 9	12 12 7	637 10 9	.....	.....	.....
For previous 14 weeks of half-year ...	3,606,076	40,60,021 1 0	3,66,63,697 0	81,80,221 7 0	2,77,685 1 0	1,28,65,927 9 9	908,477½	1,328,639½	2,237,117
Total for 15 weeks ...	3,854,925	43,49,239 8 0	3,95,90,167 30	9,53,269 1 0	2,97,187 9 9	1,38,38,896 2 9	975,480½	1,433,931½	2,409,412
COMPARISON.									
Total for corresponding week of previous year ...	239,306	2,89,041 14 10	26,80,824 30	6,04,163 1 0	22,636 11 9	9,16,761 11 7	67,306	100,510	167,816
Per mile of railway corresponding week of previous year ...	.....	190 1 0	.....	396 0 8	14 13 8	600 15 4	.....	.....	.....
Total to corresponding date of previous year ...	3,961,642½	46,03,402 8 11	4,15,60,737 10	90,54,221 9 0	2,37,456 13 11	1,38,05,080 15 10	992,745	1,441,452	2,434,197

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 13TH APRIL 1889.			RECEIPTS FOR WEEK ENDING 13TH APRIL 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 13TH APRIL 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 13TH APRIL 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
1,536½	Rs. 9,10,763	601	1,625½	Rs. 9,72,769	638	1,525½	Rs. 17,69,198	560	1,525½	Rs. 16,70,108	547	.....	Rs. 99,090

PATNA-GYA STATE RAILWAY

Approximate Return of Traffic for week ended 12th April 1890, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,114	7,171 4 0	55,351 2½	3,846 14 0	41 5 0	11,059 7 0	1,513	881	2,394
Or per mile of railway ...	264	125 5 11	967 20	67 4 1	0 11 7	193 5 7	.....	.....	.....
For previous 14 weeks of half-year ...	183,362	96,226 10 0	6,60,404 10	41,069 1 0	532 14 0	1,57,818 9 0	24,018½	9,350	33,368½
Total for 15 weeks ...	198,476	1,03,297 14 0	7,24,737 3½	44,905 15 0	574 3 0	1,48,878 0 0	25,531½	10,231	35,762½
COMPARISON.									
Total for corresponding week of previous year ...	14,618½	7,215 4 7	43,394 10	3,057 0 0	46 12 3	10,329 0 10	1,688	1,218	2,906
Per mile of railway corresponding week of previous year ...	256	126 5 1	758 30	53 7 1	0 13 1	180 9 3	.....	.....	.....
Total to corresponding date of previous year ...	222,228½	1,23,623 6 7	6,80,293 10	34,234 13 0	1,305 0 3	1,59,163 3 10	27,494	9,791	37,285

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 13TH APRIL 1889.			RECEIPTS FOR WEEK ENDING 12TH APRIL 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 13TH APRIL 1889.		TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 12TH APRIL 1890.		Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.		
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
57½	10,329	181	57½	11,059	193	57½	21,369	57½	20,248	.....	1,321

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 12th April 1890, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	26,359	8,519 9 0	10,538 30	379 15 0	10 3 0	8,909 11 0	905	107	1,012
Or per mile of railway ...	.....	382 14 5	.....	17 1 3	0 7 4	409 7 0	.....	.....	.....
For previous 14 weeks of half-year ...	303,415	79,874 15 0	2,16,337 30	7,100 13 0	147 10 0	86,623 6 0	12,180	1,341	13,520
Total for 15 weeks ...	329,774	87,894 8 0	2,26,876 20	7,480 12 0	157 13 0	96,533 1 0	13,094	1,448	14,542
COMPARISON.									
Total for corresponding week of previous year ...	38,972½	11,674 10 7	6,873 0	251 11 0	9 7 3	11,935 12 10	1,218	36	1,254
Per mile of railway corresponding week of previous year ...	.....	524 11 3	.....	11 5 0	0 6 10	536 7 1	.....	.....	.....
Total to corresponding date of previous year ...	355,094½	94,398 3 1	1,43,969 10	5,161 6 0	163 8 0	99,663 1 1	13,862	938	14,794

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 13TH APRIL 1889.			RECEIPTS FOR WEEK ENDING 12TH APRIL 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 13TH APRIL 1889.		TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 12TH APRIL 1890.		Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.		
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
22½	11,936	536	22½	9,916	400	22½	18,408	22½	14,270	.....	4,228

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 5th April 1890, on 747 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	295,070	80,870 0 0	5,23,850 0	75,830 0 0	16,320 0 0	1,73,010 0 0	23,315	28,928	52,243
Or per mile of railway ...	275	108 0 0	701 0	102 0 0	75 0 0	215 0 0	.....	.....	.....
For previous 13 weeks of half-year ...	2,046,990	10,23,993 0 0	74,74,990 0	14,32,023 0 0	3,51,698 0 0	*27,97,622 0 0	296,542	394,548	675,390
Total for 14 weeks ...	2,252,060	11,04,863 0 0	79,98,750 0	15,07,853 0 0	3,67,918 0 0	28,80,632 0 0	315,857	413,776	727,633
COMPARISON.									
Total for corresponding week of previous year ...	189,596	74,230 0 0	5,10,443 0	74,186 0 0	21,277 0 0	1,69,693 0 0	21,713	23,453	45,136
Per mile of railway corresponding period of previous year ...	282	116 0 0	758 0	110 0 0	114 0 0	234 0 0	.....	.....	.....
Total to corresponding date of previous year ...	1,106,120	11,00,245 0 0	69,60,286 0	11,97,156 0 0	2,53,558 0 0	25,80,959 0 0	300,814	342,884	643,698

* Audited up to week ending 8th February 1890.

† Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 5TH APRIL 1889.			RECEIPTS FOR WEEK ENDING 5TH APRIL 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 5TH APRIL 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 5TH APRIL 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
473	1,69,693	252	747	1,73,010	232	673	1,45,451	216	747	1,23,578	165	.....	21,875

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 5th April 1890, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	32,310	10,020 0 0	63,060 0	3,760 0 0	60 0 0	13,840 0 0	3,735	1,937	5,672
Or per mile of railway ...	258	80 0 0	509 0	30 0 0	1 0 0	111 0 0	.....	.....	.....
For previous 13 weeks of half-year ...	357,610	1,27,998 0 0	5,92,930 0	39,014 0 0	710 0 0	*1,68,322 0 0	46,962	24,576	71,538
Total for 14 weeks ...	389,920	1,38,018 0 0	6,55,590 0	43,374 0 0	770 0 0	1,82,163 0 0	50,697	26,513	77,210
COMPARISON.									
Total for corresponding week of previous year ...	36,758	10,396 0 0	69,768 0	4,249 0 0	90 0 0	14,747 0 0	3,735	1,937	5,672
Per mile of railway corresponding period of previous year ...	294	83 0 0	558 0	34 0 0	1 0 0	118 0 0	.....	.....	.....
Total to corresponding date of previous year ...	408,715	1,43,575 0 0	7,98,596 0	42,423 0 0	4,383 0 0	1,90,381 0 0	51,277	26,614	77,891

* Audited up to week ending 8th February 1890.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 5TH APRIL 1889.			RECEIPTS FOR WEEK ENDING 5TH APRIL 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 5TH APRIL 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 5TH APRIL 1890.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	14,747	118	125	13,840	111	125	12,640	101	125	9,886	79	.....	2,754

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 5th April 1890, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	16,330	6,520 0 0	26,010 0	1,900 0 0	120 0 0	8,540 0 0	2,480	624	3,104
Or per mile of railway ...	190	76 0 0	302 0	22 0 0	1 0 0	99 0 0	.....	.....	.....
For previous 13 weeks of half-year ...	231,920	82,949 0 0	3,40,350 0	34,848 0 0	2,327 0 0	*1,20,124 0 0	61,178	9,004	40,782
Total for 14 weeks ...	248,250	89,469 0 0	3,75,360 0	36,748 0 0	2,447 0 0	1,28,694 0 0	33,658	10,228	43,886
COMPARISON.									
Total for corresponding period of previous year ...	17,321	4,878 0 0	11,175 0	845 0 0	236 0 0	5,959 0 0	2,480	814	3,294
Per mile of railway corresponding period of previous year ...	201	56 0 0	130 0	10 0 0	3 0 0	69 0 0	.....	.....	.....
Total to corresponding date of previous year ...	219,814	68,229 0 0	1,71,762 0	15,147 0 0	2,389 0 0	85,765 0 0	34,079	9,242	43,321

* Audited up to week ending 8th February 1890.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 6TH APRIL 1889.			RECEIPTS FOR WEEK ENDING 5TH APRIL 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 5TH APRIL 1889.		TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 5TH APRIL 1890.		Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Per mile worked.	Mean mileage worked.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
86	5,900	69	86	8,540	99	86	5,108	86	6,160	71	992

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 12th April 1890, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,289	1,114 0 0	9,532 0	605 0 0	9 0 0	1,736 0 0	569	254	763
Or per mile of railway ...	121	41 0 0	350 0	22 0 0	.....	63 0 0	.....	.....	.....
For previous 13 weeks of half-year ...	45,542	16,342 0 0	1,95,400 0	11,797 0 0	1,384 0 0	29,523 0 0	6,908	6,851	13,759
Total for 14 weeks ...	48,831	17,456 0 0	2,05,922 0	12,400 0 0	1,393 0 0	31,240 0 0	7,417	7,105	14,522
COMPARISON.									
Total for corresponding week of previous year ...	2,788	1,044 0 0	7,555 0	595 0 0	377 0 0	1,929 0 0	500	254	763
Per mile of railway corresponding week of previous year ...	102	38 0 0	271 0	19 0 0	14 0 0	71 0 0	.....	.....	.....
Total to corresponding date of previous year ...	51,175	19,397 0 0	1,83,651 0	10,900 0 0	1,400 0 0	31,606 0 0	7,480	7,240	14,738

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 13TH APRIL 1889.			RECEIPTS FOR WEEK ENDING 12TH APRIL 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 13TH APRIL 1889.		TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 12TH APRIL 1890.		Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Per mile worked.	Mean mileage worked.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
27½	1,929	71	27½	1,736	63	27½	3,396	27½	2,928	54	438

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 12th April 1890, on 273 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	45,114	18,645 0 0	2,62,043 0	29,399 0 0	3,423 0 0	51,467 0 0	5,422	8,552	13,974
Or per mile of railway ...	176	68 0 0	969 0	108 0 0	3 0 0	179 0 0*	.....	.....	.....
For previous 13 weeks of half-year ...	687,679	2,73,512 0 0	36,42,175 0	4,13,908 0 0	42,414 0 0	7,29,734 0 0	75,501	129,475	204,976
Total for 14 weeks ...	705,793	2,92,157 0 0	39,04,218 0	4,43,207 0 0	45,837 0 0	7,81,201 0 0	80,923	138,027	218,950
COMPARISON.									
Total for corresponding week of previous year ...	51,763	18,828 0 0	1,54,572 0	13,101 0 0	4,961 0 0	36,890 0 0	4,960	5,323	10,503
Per mile of railway corresponding week of previous year ...	190	69 0 0	565 0	48 0 0	7 0 0	124 0 0*	.....	.....	.....
Total to corresponding date of previous year ...	631,590	2,41,164 0 0	29,27,459 0	1,93,177 0 0	49,209 0 0	4,85,550 0 0	81,737	80,898	162,635

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 13TH APRIL 1889.			RECEIPTS FOR WEEK ENDING 12TH APRIL 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 13TH APRIL 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 12TH APRIL 1890.			Total increase in 1890-91.	Total decrease in 1890-91.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
273	36,890	135	273	51,467	189	273	73,171	134	273	86,947	159	15,776	.....

[REGISTERED No. 29.]

No. 18 of 1890.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, APRIL 30, 1890.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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RULES FOR CONTROLLING THE TRANSPORT OF EMIGRANTS TO THE LABOUR DISTRICTS OF ASSAM.

GENERAL DEPARTMENT.

Calcutta, the 17th April, 1890.

RESOLUTION.

THE rules sanctioned last year under Bengal Act I of 1889 provide for the inspection of places of accommodation for emigrants in the mofussil, but no reference is made in them to the buildings maintained for that purpose in Calcutta. In practice, these have been considered as subject to inspection by the Superintendent of Emigration, and it seems to the Lieutenant-Governor to be advisable to recognize this arrangement by rule.

2. The importance of regulating the railway journey was recognized from the first, and great improvements have been introduced with the consent of the railway authorities. It is now considered expedient to give to these arrangements the force of rules, particularly as that course has been adopted with regard to emigrants registered under Act I of 1882. Where the precautions it is now proposed to adopt are more detailed, it has been deemed advisable, for the sake of conformity, to amend also the rules under Act I of 1882.

3. The Lieutenant-Governor accordingly proposes to issue the following rules, any objections to which will be considered on the 28th May next:—

Rules to be issued in addition to the existing rules under Act I (B.C.) of 1889.

18. The daily despatch of emigrants by train shall be previously arranged for by the forwarding agent with the railway authorities concerned, so as to prevent overcrowding by the securing of sufficient carriage accommodation for the whole number of emigrants intending to travel.

19. The agent shall provide for emigrants started on a railway journey after 9 A.M. a cooked meal, and for those started at or before that hour a dry meal instead, consisting of bread or biscuit and sugar in the proportion of one pound of bread or two large biscuits and one ounce of sugar to each emigrant of and above ten years of age, and half the above quantities to each emigrant under the age of ten years. Also, if the journey between two halting stations is likely to occupy more than six hours, bread or biscuit and sugar in the same proportions shall be given by the agent for distribution to the emigrants for consumption during the journey.

20. When a medical officer has been appointed by Government to examine emigrants, no emigrants shall be put into the train without being inspected and passed as fit to undertake the journey by such officer. The medical officer will report any breach of rule 19 which may come to his notice.

21. When despatching emigrants by train, the purest drinking water obtainable shall be supplied by the agent in a sufficient number of suitable vessels conveniently placed with the emigrants in the carriages. Emigrants shall be afforded opportunities for leaving their carriages at three selected watering-stations between Sara and Parbutipur, one-third of the carriages at a time being emptied to admit of the station latrines being used and of additional supplies of drinking-water being obtained.

22. Emigrants about to travel by train shall be accommodated in third class carriages specially reserved for them, or in suitably constructed goods wagons attached to passenger trains only, and the number in each such carriage or goods wagon shall in no case exceed the regulation number.

23. The train journey of emigrants under conveyance from recruiting districts direct to Dhubri or to Goalundo shall be performed by the Hooghly-Naihati route.

24. If cholera occurs on the journey by train, the patient shall as soon as possible be removed, by and at the expense of the railway authorities, to the nearest cholera hospital or other suitable place for medical treatment; and particulars of the case, furnishing name of emigrant, batch to which belonging, and depôt from which originally despatched, shall be forwarded by the station-master to the officers concerned.

5A. It shall be the duty of the Superintendent of Inland Emigration to inspect places of accommodation provided for emigrants in Calcutta.

Rules to be substituted for the existing Rules 64, 65 and 69 under the Inland Emigration Act, I of 1882.

64. The daily despatch of emigrants shall be previously arranged for by the contractor or forwarding agent with the railway authorities concerned, so as to prevent overcrowding by the securing of sufficient carriage accommodation for the whole number of emigrants intending to travel.

65. The contractors or garden sardar shall provide for emigrants started on a railway journey after 9 A.M. a cooked meal, and for those started at or before that hour a dry meal instead, consisting of bread or biscuit and sugar in the proportion of one pound of bread or two large biscuits and one ounce of sugar to each emigrant of and above ten years of age, and half the above quantities to each emigrant under the age of ten years. Also, if the journey between two halting stations is likely to occupy more than six hours, bread or biscuit and sugar in the same proportions shall be given by the contractor or garden sardar for distribution to the emigrants for consumption during the journey.

69. When a medical officer has been appointed by Government to examine emigrants, no emigrants shall be put into the train without being inspected and passed as fit to undertake the journey by such officer.

When despatching emigrants by train, the purest drinking-water obtainable shall be supplied by contractors or forwarding agents in a sufficient number of suitable vessels conveniently placed with the emigrants in the carriages. In the absence of latrine arrangements, emigrants shall be afforded opportunities for leaving their carriages at three selected watering-stations between Sara and Parbutipur, one-third of the carriages at a time being emptied to admit of the station latrines being used and of additional supplies of drinking-water being obtained.

Rules to be issued in addition to the existing rules under Act I of 1882.

Emigrants about to travel by train shall be accommodated in third class carriages that are specially reserved for them, or in suitably constructed goods wagons attached to passenger trains only, and the number in each such carriage or goods wagon shall in no case exceed the regulation number.

The train journey of emigrants under conveyance from recruiting districts direct to Dhubri or to Goalundo shall be performed by the Hooghly-Naihati route.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Government of Bengal.

**RESOLUTION ON THE IRRIGATION OPERATIONS OF CANALS IN
BENGAL DURING KHARIF SEASON OF 1889-90.**

No. 719Z.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

Irrigation.

Dated Calcutta, the 28th April 1890.

RESOLUTION.

READ—

Statements Nos I, II, and III of Irrigation Operations of Canals in Bengal during kharif season of 1889-90.

OBSERVATIONS—The area irrigated during the kharif season of 1889-90 was 481,111 acres against 485,502 acres in 1888-89; a decrease of 9 per cent.

2. On the Orissa Canals the kharif area under irrigation has expanded by 10,717 acres, and it is probable that when the measurements of lands upon some of the canals which have not yet been cadastrally surveyed are finally completed, the area will be found to be actually larger than that shown in the statements. The character of the season in many respects resembled that of 1888-89, during which a larger area of kharif was irrigated than in any previous year in the history of these canals. Of the additional area now brought under lease, 8,772 acres are in the Balasore district, the increase in the irrigation corresponding to a decline in the rainfall from 40.04 inches to 31.40 inches.

3. On the Midnapore Canal only 29.67 inches of rainfall were registered against 51.42 in the previous year. There was an active demand for water, especially at the end of the season; and the discharge of the Cossye, on which less reliance can be placed than on any other river in Bengal used as a source of supply, was fairly well maintained. The returns show a nominal decrease on this canal of 1,079 acres; but as the supply in 1888-89 was admittedly insufficient, and large remissions on the assessed area had in consequence to be granted, the results of 1889-90 really indicate an improved state of affairs.

4. In the three districts watered by the Sone Canals, the rainfall from July to October was below the average and much below the rainfall of the previous year. The season, however, was not an unfavourable one as far as the rice crop was concerned, for rain continued to fall until a late date in September. A break which then occurred and lasted till nearly the end of the *hathia* (25th September to 8th October) produced a strong demand for water for irrigation; and though there was rain on 8th October, the subsequent showers in that month were insignificant. During the 30 days from 21st September to 20th October, the Sone Canals in this as in the preceding year were worked almost to full power, but the pressure during this period was not as acute as in the corresponding period in 1888-89; and the area to which water was supplied shows a small falling off. In five-year leases, however, notwithstanding that 45,455 acres had lapsed on the 1st April 1889, and that applications for 29,788 acres were refused on the ground that the village channels were not of the required standard, and for other good reasons, there is an increase of 16,000 acres, so that the deficiency already noted took place entirely in annual kharif leases.

ORDER.—Ordered that a copy of this Resolution, and of the Statements Nos. I, II, and III, be submitted to the Government of India, in the Public Works Department, for information; also that copies be forwarded to the Commissioners of the Orissa, Burdwan, and Patna Divisions; the Collectors of Cuttack, Midnapore, Patna, Shahabad, Gya, and Sarun; the Superintending Engineers of the Orissa, South-Western, and Sone Circles; and the Examiner of Public Works Accounts, Bengal, for information.

By order of the Lieutenant-Governor of Bengal,

J. M. McNEILE, Col., R.E.,

Secretary to the Government of Bengal.

No. I.—KHARIF STATEMENT.
GOVERNMENT OF BENGAL, PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.
IRRIGATION OPERATIONS FOR THE KHARIF SEASON, 1889-90.
Comparative Statement of Irrigation and Rainfall in Canal Districts of Bengal.

DISTRICTS.	Area in acres.	Culturable acres.	AREA IRRIGATED.		1889-90 AS COMPARED WITH 1888-89.		RAINFALL FOR FOUR MONTHS.												REMARKS.						
			1888-89.	1889-90.	Acres.	Acres.	Increase.	Decrease.	July.				August.				September.				October.				
									In.				In.				In.				In.				
									1888.	1889.	1888.	1889.	1888.	1889.	1888.	1889.	1888.	1889.		1888.	1889.	1888.	1889.	1888.	1889.
Cuttack	130,885	132,830	1,945	Acres.	In.	13-93	21-65	14-84	8-42	5-10	1-04	9-08	39-18	42-75	Average rainfall of 11 stations in the Cuttack district.							
Balasore	25,628	34,400	8,772	In.	14-14	21-36	10-91	8-03	6-76	1-50	4-43	40-04	31-40	Average rainfall at Bhuddruck and Acquapadda stations.							
Midnapore	65,906	65,011	.....	895	21-30	7-82	21-96	13-14	7-37	6-34	0-79	2-37	51-42	29-67	No rain-gauge stations on the Tidal Reaches of the Midnapore Canal.							
Hooghly	502	318	184	Rainfall at Daudnagar.							
Gya	29,810	29,779	.....	31	16-58	8-11	18-15	10-20	6-28	3-65	...	...	41-01	21-97	Rainfall at Patna.					
Patna	25,753	22,943	.....	2,810	15-14	8-84	17-11	9-49	3-17	15-70	...	0-05	35-42	34-08	Rainfall at Arrah station.							
Shahabad	203,121	193,488	.....	9,633	17-90	13-58	17-74	13-68	5-58	5-15	0-43	...	41-65	33-33	Rainfall at Sewan station.							
Sarun	3,897	2,342	.....	1,555	11-66	10-99	12-89	9-63	12-24	8-37	...	...	36-79	28-99						
Total	485,502	481,111	10,717	15,108								

NOTE.—The figures for 1888-89 as now given are correct.
 Net decrease, 4,391.

G. A. G. SHAW,
Under-Secy. to the Govt. of Bengal.

CALCUTTA,
The 28th April 1890.

No. II.—KHARIF STATEMENT.

IRRIGATION OPERATIONS OF FASL KHARIF, 1889-90.

Statement in acres of crops irrigated in Canal Districts.

NATURE OF CROPS.	Cuttack.	Balasore.	Midnapore.	Hoghly.	Gya.	Patna.	Shahabad.	Sarun.	TOTAL.
Garden and orchards
Sugarcane
Cereals
Wheat
Barley
Rice
Miscellaneous
Gram, &c.
Miscellaneous
Grass lucerne
Fodder crops
Fibres
Cotton
Indigo
Turneric, &c.
Opium
Tobacco, &c.
Mustard, &c.
Castor
Oilseeds
Miscellaneous
Hot-weather
Total, 1889-90	132,830	34,400	65,011	318	29,779	22,943	193,488	2,342	481,111
Total, 1888-89	130,885	25,628	65,908	502	29,810	25,753	203,121	3,897	485,502

CALCUTTA,

The 28th April 1890.

G. A. G. SHAW,

Under-Secy. to the Govt. of Bengal

No. III.—KHARIF STATEMENT.

IRRIGATION OPERATIONS OF FASL KHARIF, 1889-90.

Statement in acres of crops irrigated by Canals in Canal Divisions.

NATURE OF CROPS.	TALUKA OF CHOPRA.										
	Talunda Canal.	Kendrapara Canal.	High Level Canal, Range I.	High Level Canal, Range II.	High Level Canal, Range III.	Midnapore Canal.	Patna Canal.	Arrah Canal.	Buxar Canal.	Sarun Canal.	Total.
	Mahanuddy.	Brahmines-Byturnee.	Acquapadda-Jalopore.			Cossye.	Eastern Sonp.	Arrah.	Buxar.	Gunduck.	
Garden and orchards
Sugarcane
Cereals
Wheat
Barley
Rice
Miscellaneous
Gram, &c.
Miscellaneous
Fodder crops
Grass, lucerne
Fibres
Cotton
Indigo
Dyes
Turneric, &c.
Drugs
Opium
Tobacco, &c.
Oilseeds
Mustard, &c.
Castor
Miscellaneous
Hot-weather
Total, 1889-90	38,231	92,207	...	36,792	...	65,329	52,722	117,372	76,116	2,342	481,111
Total, 1888-89	40,165	88,365	...	27,983	...	66,408	55,563	129,783	73,338	3,897	486,502

CALCUTTA,

The 28th April 1890.

G. A. G. SHAW,

Under-Secy. to the Govt. of Bengal.

RESOLUTION ON THE REPORT OF THE HEALTH OFFICER OF
THE PORT OF CALCUTTA FOR THE YEAR 1889.

No. 1084 Marine.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

Marine.

Calcutta, the 28th April 1890.

RESOLUTION.

READ—

A letter No. 1148, dated the 26th February 1890, from the Sanitary Commissioner, Bengal, submitting the report of the Health Officer of the Port of Calcutta for the year 1889.

DR. RICHARDS was the Health Officer of the Port of Calcutta from the beginning of the year up to the 14th September, when he took leave. Shortly afterwards he died. He was relieved by Dr. G. Jameson, who acted until the 11th November, when he made over charge to Dr. R. MacLeod, who has submitted the present report. The Health Officer asked to be furnished with a suitable boat for his use, as the one which he had was too large to be safely handled within the moorings. A new boat has now been supplied.

2. The report shows that 1,443 vessels were inspected during the year, against 1,464 in 1888. The reduction in the number of vessels inspected is unimportant.

Dr. Richards brought to notice that many steamers arrived in the port which had unsuitable and ill-ventilated accommodation for their crews, and the Health Officer was asked to furnish instances of such ships, with a view to the Board of Trade being furnished with information on the subject. Certain instances having already been furnished to the Government, the owners of the vessels not ordinarily trading to the United Kingdom were addressed on the subject, and they have undertaken to improve the ventilation of the crew spaces. Further enquiries are now being made regarding other vessels, the result of which will be communicated to the Government of India.

3. The number of European seamen who arrived in port fell from 22,705 in 1888 to 20,662 in the year under report, but the daily average population was 1,626 against 1,510 in 1888. Including deaths out of hospital, the death-rates per mille of the last five years were as follows:—

			Cholera.	Other causes.	Total.
1885	...	...	4.72	25.99	30.71
1886	...	...	11.61	33.53	45.14
1887	...	...	10.03	16.91	26.94
1888	...	...	10.59	27.15	37.74
1889	...	...	11.07	20.29	31.36

The following table shows the number of admissions into hospital and deaths from different diseases during the past five years:—

	1885.		1886.		1887.		1888.		1889.	
	Admissions.	Deaths.	Admissions.	Deaths.	Admissions.	Deaths.	Admissions.	Deaths.	Admissions.	Deaths.
Cholera ...	16	7	49	26	29	19	26	15	38	17
Diarrhoea ...	102	...	185	...	116	1	106	2	142	2
Dysentery ...	116	6	106	3	70	...	34	4	61	4
Fever, enteric ...	4	1	12	4	8	2	2	...	1	...
" malarious ...	194	2	321	3	220	1	120	1	227	2
" simple ...	344	...	155	...	65	...	82	1	79	...
Scurvy ...	13	...	7	...	4	...	3	...	...	...
Small-pox ...	3	...	...	...	1	...	1	...	...	...
Sunstroke ...	5	3	4	1	5	1	10	5	6	1
Other diseases ...	1,179	12	1,875	34	1,201	11	1,782	21	1,267	17
Total ...	1,976	40	2,714	71	1,719	35	1,876	49	1,816	43

4. The total number of casualties from all causes was 51 against 57 in 1888. Of these, 43 occurred in hospitals and 8 elsewhere. As regards the cases in hospitals, it is satisfactory to notice that the death-rate fell from 32·4 per mille in the previous year to 26·4 during the year under report, which is nearly equal to the quinquennial mean (26).

5. The death-rate from cholera was slightly lower than the average of the previous five years. As regards the seasonal incidence of this disease, it may be observed that the rise in the port did not always correspond with that in the town.

The Health Officer brings to notice that timely information is not always given to him by the Hospital authorities of the occurrence of cholera on board ships with a view to enable him to inspect them early. The Inspector-General of Civil Hospitals has already been asked to instruct the Superintendents of the Medical College, General, Howrah, Campbell and Mayo Hospitals, to convey to the Health Officer early information of cases of cholera, small-pox, or other contagious diseases common in India, and of scurvy occurring amongst sailors, and his attention will again be invited to the subject. Rules have also been framed with a view to enable the Health Officer to get information of such diseases occurring on board direct from the shipping. They are under the consideration of the Government and will shortly be issued.

6. It is satisfactory to observe that there were no admissions from small-pox during the year, against 1 in 1888, and that no death has been reported from this disease since 1881.

It is worthy of remark that there were no admissions from scurvy during the year, against 3, 4, 7 and 13 in 1888, 1887, 1886 and 1885 respectively.

Six cases of sunstroke were admitted into hospital with 1 death, against 19 admissions with 5 deaths in hospital and 3 deaths out of hospital in 1888. Three deaths from this disease are reported to have occurred on board ships in port.

There was no death either from acute alcoholism or *delirium-tremens*.

7. Fifteen deaths are reported to have occurred from drowning, against 6 in 1888. The late Dr. Richards suggested that death from this cause might to a certain extent be prevented by putting up hand-rails on each side of the landing-stages. It was ascertained that none of the accidents in 1888 happened from off the jetty gangways, and no action was taken in the matter. The Health Officer will be instructed to report the causes so far as they can be ascertained of the 15 accidents which occurred in 1889.

8. Although the number of European seamen admitted into hospital on account of venereal disease in 1889 was greater than in the previous year, the rate per mille on the average strength was lower than that of the past three years, and it compares favourably with the quinquennial mean.

At sea there were 36 deaths, against 35 during the previous year.

9. The following table shows the mortality from all causes among the native floating population, the averages being calculated on a population of 25,000 :—

		Total deaths.		Ratio per mille.	
		1889.	1888.	1889.	1888.
Cholera	...	80	95	3·2	3·7
Bowel-complaints	...	9	7	·36	·27
Fever, malarious	...	5	22	·2	·85
Do., simple	...	8	...	·32	...
Other causes	...	27	24	1·08	·96
Total	...	129	148	5·16	5·78

The figures, however, as stated last year, are not very reliable.

10. The total death-rate among the lascar crews on the river was 1·29 per 1,000 against 1·6 per 1,000 in 1888. No complaints were made by the lascar crews during the year.

11. During the year four ships arrived in port with pilgrims from Jeddah, in one of which there were two cases of small-pox. In the annual report for the year 1887, the Health

Officer of the Port made certain proposals with a view to ensure the more

efficient sanitary treatment of vessels arriving in port with cases of small-pox. It has been decided that it must be left to the captains and officers of ships to assist the Health Officer in carrying out the provisions of the Compulsory Vaccination Act.

Water-supply.

12. No complaint was made in regard to the water-supply to the shipping during the year.

13. The Lieutenant-Governor notices with satisfaction that there has been

Conservancy.

a general improvement in the conservancy of the foreshore of the river, some of the nuisances formerly complained of having been removed. Although the drain at King's Road, Howrah, still discharges into the river, yet it is more free from pollution than it formerly was, as measures have been taken by the Municipal Commissioners of Howrah to prevent offensive matter being thrown into the drain till the proposed scheme for draining the whole town is carried out. The nuisance at the jetties, which was formerly a subject of complaint, has been removed by providing an additional latrine within the jetty enclosure. The flushing inlets have also been free from offensive smell during the year.

Dr. MacLeod reports that the highly objectionable outflow of liquid sewage from Fort William has received the personal attention of the Sanitary Commissioner, and hopes that permanent good will result. A scheme for connecting the sewers of Fort William with those of the town has been prepared, and the Government of India has been asked to have it carried out.

It is satisfactory to observe that the defects noticed in the previous year's report, regarding the state of Kassi Mitter's burning ghât, have been remedied by raising a wall on the river side, thus preventing the cremation of bodies being seen from the river.

The Health Officer brings to notice that at a brick-field at Ghosery the foreshore is not kept in proper sanitary condition. The Health Officer will be asked to submit a special report on this subject.

14. The Lieutenant-Governor, while noticing with satisfaction the decrease in the number of corpses found in the river, regrets to find that the number of carcasses is still on the increase. The Municipal and Judicial Departments of this Government will be asked to take further steps in this matter.

15. The Lieutenant-Governor notices with deep regret the untimely death of Dr. Richards, and endorses the remarks of the Sanitary Commissioner that in him the Government has lost a zealous, energetic and efficient officer. His Honour is glad to observe that Dr. MacLeod and the Native Sanitary Inspector, Baboo Nanda Lal Haldar, have performed their duties satisfactorily.

Conclusion.

By order of the Lieutenant-Governor of Bengal,

J. M. McNEILE, *Col., R.E.,*
Secretary to the Govt. of Bengal.

**RESOLUTION ON THE BUDGET ESTIMATE OF THE PORT TRUST
FUND FOR THE YEAR 1890-91.**

No. 1098 Marine.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

Marine.

Dated Calcutta, the 28th April 1890.

RESOLUTION.

READ—

A letter No. 2844, dated the 26th March 1890, from the Vice-Chairman of the Commissioners for making Improvements in the Port of Calcutta, submitting for sanction the budget estimates of the Commissioners for the year 1890-91.

A general summary of the budget estimates submitted by the Commissioners is subjoined—

REVENUE ACCOUNTS.				Estimate for 1890-91.	Estimate for 1889-90.
RECEIPTS.				Rs.	Rs.
Part I.—Jetties	...	...	...	11,71,819	11,54,319
" II.—Inland Vessels' Wharves	...	...	...	4,69,784	4,70,284
" III.—Strand Bank Lands	...	...	...	1,70,276	1,70,276
" IV.—Port or Harbour Master's Department	...	...	...	5,44,073	5,41,953
" VI.—Tramway	...	...	...	3,20,000	3,20,000
" VII.—Port Approaches	...	...	...	6,523	6,523
Total				26,82,475	26,63,335
EXPENDITURE.					
Part I.—Jetties	...	...	...	9,14,417	8,93,572
" II.—Inland Vessels' Wharves	...	...	...	4,03,144	4,35,994
" III.—Strand Bank Lands	...	...	...	1,02,977	1,06,332
" IV.—Port or Harbour Master's Department	...	...	...	5,05,432	5,33,682
" VI.—Tramway	...	...	...	2,36,686	2,28,665
" VII.—Port Approaches	...	...	...	5,13,646	4,64,095
Total				26,76,302	26,62,340

STATEMENT OF WAYS AND MEANS.

	Rs.
Estimated balance on 1st April 1890	1,55,022
Add estimated receipts as above	26,82,475
Total	28,37,497
Deduct estimated expenditure as above	26,76,302
Probable balance on 31st March 1891	1,61,195

Receipts.

2. The estimate of receipts from the Jetties (Part I) is taken at Rs. 24,000 below the estimate for the previous year. It is stated that there was a great falling off in the grain export trade, causing in the first quarter of 1889-90 diminished shipping receipts. The receipts at the Petroleum Wharf at Budge-Budge and at the Tea Warehouse at Armenian Ghât are taken in each case at Rs. 20,000 over the figures for the previous year.

3. In Appendix B a sum of Rs. 20,000 is entered, representing the earnings of the Commissioners' hopper barges. The Lieutenant-Governor desires

that the Commissioners will furnish the details on which this estimate is based, together with a schedule of the charges levied for the use of the barges.

4. In Appendix G a sum of Rs. 5,229 is entered as the rent to be received from the Government for the portion of the Commissioners' premises which is occupied by the Port Office. As the new Port Office will be ready for occupation at the latest by the 1st of January 1891, the amount should be reduced by 25 per cent.

5. The estimate of receipts from the Commissioners' Tramway [Part IV] is taken at Rs. 3,20,000. From information recently received it appears that the charges levied by the Commissioners for the conveyance of goods by their tramway have not, as required by law, received the sanction of the Local Government. The schedule of these charges is now under the consideration of the Government, and the estimate is accepted subject to any modifications that may be made hereafter. The estimate may also require modification to bring the working of the tramway into conformity with the provisions of the Railway Act which has recently been passed by the Council of His Excellency the Governor-General for making Laws and Regulations.

6. In estimate No. 23 a sum of Rs. 13,000 is entered, which represents fees for the survey of vessels. The charges for the survey of vessels will, on and after the 1st of May 1890, be disbursed by the Government, and the fees will be credited to the Government with effect from the same date. The estimate of receipts should be revised accordingly.

Expenditure.

7. An increase of Rs. 21,000 is proposed in the expenditure at the Jetties [Part I]. The principal items of increase are Rs. 5,000 under Salaries and Rs. 11,000 under Working Expenses. The former is for the Tea Warehouse and the latter for the Tea Warehouse and the Petroleum Wharf.

8. It may be remarked that while after providing for interest and other charges a surplus revenue of large amount is obtained from the petroleum trade, the Tea Warehouse at Armenian Ghât appears to be worked at a considerable loss.

9. The expenditure at the Inland Vessels' Wharves [Part II] is estimated at Rs. 4,03,144, against the estimate of Rs. 4,35,994 for the previous year. The difference is due to a reduction in the amount allotted for new works and improvements.

10. Estimate No. 14 amounts to Rs. 31,000 and provides for the cost of two new works. The estimates for these works require the sanction of the Government.

11. In the Harbour Master's Department [Part IV] there is a reduction of Rs. 31,910 under the head "Renewal of Block." It is explained that a sum of Rs. 2,00,000 having been accumulated, the estimate for the current year provides only Rs. 10,000, which is the sum that will actually be spent on renewals.

12. Estimate No. 30 provides Rs. 30,673 for establishment for the survey of vessels, &c. The estimate should be revised in accordance with the remarks made above with reference to estimate No. 23.

13. In estimate No. 28 of the detailed estimates, a provision of Rs. 2,400 is made for "Subscription to institutions which contribute to the welfare of seamen." This expenditure is sanctioned under the provisions of section 36, sub-section (5), clause (e) of the Indian Ports Act. The question of whether the subscription to the District Charitable Society is a proper charge on the revenues of the Commissioners has been referred for the opinion of the law officers of the Government.

14. The estimated expenditure on the Tramway [Part VI] shows an increase of Rs. 8,021. For the reasons mentioned in commenting on the estimate of receipts from the Tramway, the approval to the estimate of expenditure should be regarded as provisional only.

15. The estimate of expenditure under Part VII, River Survey, Lights, and Channel Buoyage, amounts to Rs. 5,13,646, against Rs. 4,64,095 for the previous year. The difference is due to an increase of Rs. 50,000 in the amount credited to the depreciation account. It is stated that one of the light-vessels will not last for more than another year, and as there is at present only

Rs. 50,000 at credit of the depreciation account, there appears to be no likelihood of the charges on the Port Fund appertaining to this Part being reduced in the near future. Having in view the risks to which the property appertaining to this Part is liable, the Government is of opinion that the amount at credit of the depreciation account should be increased as soon as possible.

16. It is proposed to meet the expenditure under Part VII on river surveys, lights, and buoyage of the channels as follows:—

			Rs.
Surplus revenue from the Jetties	...	...	2,70,000
Ditto	ditto	Inland Vessels' Wharves	60,000
Ditto	ditto	Strand Bank Lands	70,000
Ditto	ditto	Harbour Master's Department	30,000
Ditto	ditto	Tramway	80,000
Total of surplus revenue transferred from other Parts			5,10,000

17. The charges in respect of river surveys, lights, and buoyage of the channels were formerly met from tonnage dues levied under the Indian Ports Act, and in the Resolution on the budget estimate of the Commissioners for 1889-90, it was remarked that on the completion of the Kidderpore Docks the present method of raising the income necessary to defray the charges falling upon the Port Trust might require modification. The whole subject is now engaging the attention of the Government, and the Commissioners are being asked to furnish an estimate (a) of the total annual charges that will fall on the Trust after the completion of the docks, and (b) of the income to be obtained in respect of the several services which will be rendered by the Trust to owners of vessels and goods.

18. The Commissioners may find it necessary, during the latter part of the current year, to take measures to strengthen their revenues so as to provide a reserve fund to meet contingencies which are likely to occur when the dock charges in respect of interest and working expenses fall on those revenues. This question will also be dealt with on receipt of the information which is being called for.

Establishment.

19. A revision of the Tea Warehouse Establishment is proposed. Provision is made for the pay of an Assistant Superintendent on Rs. 250 a month, and for certain changes in the subordinate establishment. It appears that the warehouse is worked at a loss; but as an Assistant Superintendent seems to be actually required, and as his appointment will probably result in increased revenue, the Lieutenant-Governor sanctions the revision proposed.

20. It is proposed to increase the pay of the Rent Collector from Rs. 90 to Rs. 120. This is a substantial increase, but as the total charge is not great, the Lieutenant-Governor sanctions it on condition that it is personal to the present incumbent.

21. It appears that a Chief Clerk on Rs. 100 a month has been entertained in the Harbour Master's Department, and that his salary has been met by an appropriation from the provision of Rs. 150, made in grant No. 7 of estimate No. 29, for an engineer, whose services have not been required. The Lieutenant-Governor has no objection to the employment of this clerk, but His Honour must at the same time observe that the action of the Commissioners in employing him without the sanction of the Government was not in accordance with the provisions of the law.

22. In Appendix A, under the head "Accounts Department" (item No. 5), a provision of Rs. 600 a month is made for the pay of the Chief Accountant, and of Rs. 50 a month for his personal allowance. There is at present an Acting Accountant, and it should be stated whether he draws the full pay of the appointment and the personal allowance.

23. In items 17 and 18 of the same appendix, under the head "Workshop Establishment," deductions are made for work done in connection with the Howrah Bridge, and then at the bottom of the page a deduction is again made from the net amount. An explanation of this procedure should be submitted for the information of the Lieutenant-Governor.

24. In Appendix J a provision of Rs. 800 a month is made for the pay of an Assistant Superintendent in the Traffic Department. If, as the Lieutenant-Governor understands, the services of an officer to fill this appointment have not actually been engaged, His Honour desires that no steps may be taken to engage him for the present. In view of the very heavy additional charges that are about to fall on the revenues of the Trust, the Lieutenant-Governor wishes the Commissioners to consider whether the work cannot be conducted without the assistance of this highly paid officer.

25. It is proposed in the draft estimates to meet one-fourth of the officer's pay from the revenues of the Howrah Bridge. The circumstances under which a portion of the Traffic Manager's pay was debited to the Howrah Bridge Fund should be reported for the information of the Government.

26. In item 1 of estimate No. 29 of the detailed estimates, a provision of Rs. 200 a month is made for the personal allowance of a Harbour Master. The officer who held the appointment of Harbour Master died recently, and the question will have to be decided as to whether his successor should get a personal allowance, and, if so, of what amount. The Commissioners should submit their proposals on this subject.

27. The revision of the establishments of the river surveying vessels *Resolute*, *Cuckoo*, and *Tigris*, the anchor-vessel *Vulcan*, and the spare light-vessel as shown in the schedule of establishments appended to the estimates, is sanctioned.

28. Subject to the remarks contained in the foregoing paragraphs, the Lieutenant-Governor, in pursuance of the powers vested in him by section 50 of Act V of 1870, approves the estimate of income and expenditure of the Commissioners for the year 1890-91. The Commissioners are requested to furnish the Government with copies of the estimates revised in accordance with the instructions contained in this Resolution, and to submit as soon as possible the information asked for therein.

By order of the Lieutenant-Governor of Bengal,

J. M. McNEILE, Col., F.E.,

Secretary to the Government of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 26th April 1890.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
<i>Western Districts.</i>			
1	Hardwar April 26, '90	1.22	Weather—hot and seasonable. Ploughing going on in some parts of the district. More rain urgently needed. Prospects of <i>tīt</i> and sugarcane not good.
	Culna ...	2.45	
	Cutwa ...	1.60	
	Ranigunge ...	0.60	
			Srs. } per rupee.
			Sudder ... 17½
			Culna ... 15
			Ranigunge ... 17½
2	Bankeora „ 26, '90	0.25	Weather—hot. Ploughing for next rice commenced in places. Standing crops doing well. Transplanting of sugarcane going on. Common rice 20 seers per rupee at Sudder and 18½ seers at Bissenpore.
3	Birbhum „ 26, '90	1.20	The rain made the weather cool for a few days. It has enabled the people to prepare their lands for the next crops. Prices of rice remain at 16 to 20 seers per rupee.
	Rampore Haut ...	0.30	
4	Midnapur „ 26, '90	0.10	Winds somewhat changeable. Rain wanted for cultivation. Heat has been detrimental to silk-worm cocoons. Prices of common rice:—
	Ghatal ...	0.76	
			Srs. } per rupee.
			Sudder ... 18
			Contai ... 20
			Ghatal ... 18
			Tamluk ... 16
5	Hooghly „ 26, '90	Nil	Weather—hot and windy. No crops on the ground. Sugarcane being planted.
	Serampore ...	0.58	
	Jehanabad ...	0.11	
			Srs. } per rupee.
			Sudder ... 14
			Serampore ... 16
			Jehanabad ... 16
	Howrah „ 26, '90	0.80	Weather—very hot and occasionally sultry. Prospects not very favourable. Rain wanted very much.
<i>Central Districts.</i>			
6	24-Pergha. ...	...	Report not received.
7	Nuddea April 26, '90	1.28	Storms during early part of week. Ploughing and sowing of early rice going on. More rain wanted.
	Kushtea ...	1.75	
	Meherpore ...	1.40	
	Chuadanga ...	1.24	
	Ranighat ...	0.97	
8	Khoolna „ 26, '90	1.59	Weather—very hot, with occasional storms. Good rain has fallen in almost all parts of the district and ploughing has commenced. Outturn of <i>boro</i> paddy, the only crop now on the ground, is good.
	Bagirhat ...	0.79	
	Satkhira ...	3.73	
9	Jessore „ 26, '90	1.46	Weather—hot and cloudy, with occasional storms. The partial rain has done immense good to the ploughing and sowing of early rice, indigo, and jute; but more rain is wanted.
	Jhenitah ...	0.97	
	Magura ...	1.09	
	Narail ...	2.95	
	Bongong ...	1.69	
10	Moorshedabad „ 26, '90	0.41	Weather—hot. Good rain has fallen in the north of the district; elsewhere it is insufficient.
	Lalbagh ...	0.22	
	Kandi ...	0.32	
	Jungipore ...	1.99	
11	Dinapore „ 26, '90	1.74	Weather—cool for the time of year. Jute, sugarcane, and <i>bhadoi</i> are being sown. In Sudder prospects are good, but more rain was wanted at Thakurgaon on the date of the report. Price of rice at Sudder and Thakurgaon 18 seers per rupee.
	Thakurgaon ...	0.20	
12	Rajshahye „ 26, '90	0.81	Weather—cloudy and cool generally, with very sultry but short intervals. The sowing of jute and paddy is being vigorously prosecuted; but rain has not been general, and has been very unevenly distributed. Much more rain is wanted in parts; but the outlook is distinctly more favourable than it was.
	Natore ...	5.30	
	Nowgong ...	0.83	
13	Rangpur „ 26, '90	1.16	Weather—unsettled; cool and cloudy, with occasional storms of rain and wind. All crops have benefited largely by the rainfall. Jute and <i>aus</i> paddy are now germinating freely, and the land is being ploughed for the <i>aman</i> crop.
	Kurigram ...	2.69	
	Nilphamari ...	1.55	
14	Bogra „ 26, '90	2.57	Weather—damp, sultry and stormy; generally cloudy, with intervals of sunshine. No standing crops. Rain has improved prospects. <i>Aus</i> rice and jute are being sown. Common rice selling at 18 seers per rupee.
	Sherpur ...	1.62	
15	Pabna „ 26, '90	1.81	Weather—cloudy with occasional rain. <i>Aus</i> , <i>aman</i> , and jute still being sown. Prospects of the season improved by fall of rain. Prices slightly lower.
16	Darjeeling „ 26, '90	2.06	Weather—fair. <i>Murua</i> , <i>bhadoi</i> , <i>kangui</i> , and <i>bauts</i> in the hills, and sugarcane and jute in the Terai, are still being planted. Wheat and barley in the hills are being harvested. Prospects good.
17	Julpigore „ 26, '90	2.41	Weather—hot and cloudy, with occasional rain. Cultivation of <i>bhadoi</i> and jute going on rapidly. Drying of tobacco leaves continues. Prospects generally good. Prices stationary.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.			
Eastern Districts.			
Dacca Divs.	18 Dacca April 26, '90	2.16	Weather—hot and mostly cloudy. Heavy rain throughout the district. Ploughing and sowing of rice and jute are being vigorously pushed on. Rainfall has been beneficial to cultivation as well as to standing crops. <i>Boro dhan</i> is being harvested. Common rice 13 to 16 seers per rupee.
	19 Furreedpur „ 26, '90	0.68	Weather—seasonable. Recent rain has proved highly beneficial. Jute and paddy are being sown. Prospects favourable. Price of rice varies from 13 to 15 seers per rupee.
	20 Backergunge „ 26, '90	3.29	Weather—hot and cloudy, with occasional rain. Prospects of crops fair. Common rice selling at 13 to 14½ seers per rupee.
	21 Mymensingh „ 26, '90	3.57	Weather—seasonable; getting hotter. State and prospects of crops good. Common rice sells at 13½ seers per rupee.
Chittagong Divs.	22 Chittagong „ 26, '90	1.67	Weather—unsettled. <i>Aus</i> paddy being sown. State of chilly crop good. Price of common rice remains unchanged.
	23 Noakholly „ 26, '90	4.83	Weather—hot and close. Rain at intervals. Sowing of <i>aus</i> crop progressing. Abundant rain has fallen in the Fenny subdivision. Price of rice stationary.
	24 Tipperah „ 26, '90	0.61	Weather—moderately cool with high winds. <i>Boro dhan</i> harvested. <i>Aus</i> , <i>amun</i> , jute, <i>til</i> , and sugarcane doing well. Late rain beneficial to crops.
	25 Chittagong Hill Tracts „ 25, '90	4.46	Weather—hot; cloudy throughout the week, with rain, storms and high winds. <i>Jam</i> burning greatly retarded by rain. Gathering of tobacco still going on. Sugarcane doing well. Common rice being sold at 13 seers 14 chittacks per rupee.
BEHAR.			
Patna Divs.	Hill Tipperah	...	Report not received.
	26 Patna „ 26, '90	Nil	Weather—hot and cloudy. Threshing and winnowing of <i>rubbi</i> crops still going on in the Behar subdivision, elsewhere finished. Prospects of crops on the ground good. Opium weighments progressing. Prices almost stationary.
	27 Gya „ 26, '90	Nil	Weather—cloudy. Threshing of <i>rubbi</i> crops almost finished. Sugarcane being irrigated. <i>Cheena</i> coming on well. Opium weighments going on.
	28 Shahabad „ 26, '90	Nil	Weather—normal till 24th. On 25th violent and dusty wind with reduction of temperature. Slight rain this morning (26th). <i>Cheena</i> ripe and being cut. Sugarcane transplanted.
Bhagalpore Divs.	29 Durbhunga „ 26, '90	0.10	Weather—cloudy with east wind. Slight rain has done some good to paddy, <i>cheena</i> , <i>mung</i> , and indigo. Prices have slightly risen.
	30 Mozufferpur Sitamarhi „ 26, '90	Nil	Easterly winds in first part of week. Weather cloudy occasionally. Rain in Sitamarhi. Rain much wanted. Paddy, <i>mung</i> , and <i>cheena</i> are still being sown.
	31 Sarun „ 26, '90	Nil	Weather—hot. East winds till last two days. To-day (26th) light rain falling and weather cooler. Opium weighments nearly completed. <i>Cheena</i> doing well. Indigo prospects poor except in the north and west.
	32 Champaran „ 26, '90	Nil	Weather—very hot. East and west winds during the week. Cloudy at times. Threshing of <i>rubbi</i> completed. Lands are being dug and ploughed for paddy and other crops. Paddy and <i>cheena</i> are still being sown. Opium weighments progressing.
Bhagalpore Divs.	33 Monghyr Begusarai „ 26, '90	0.01 0.43	Weather—hot and dry; wind variable. Lands are being ploughed for <i>bhadoi</i> crops. Rain wanted. Transplanting of sugarcane going on in the Jamui subdivision. Prices stationary.
	34 Bhagalpur Banks „ 26, '90	Nil	Weather—seasonable; cloudy and windy in the evening. No rain at headquarters, though slight showers fell on two days during the week in all the three subdivisions. Want of rain retards cultivation for <i>bhadoi</i> crops.
	Madhepoorah „	2.13	Sugarcane and <i>cheena</i> , the only crops now on the ground, are promising.
	Soopool „	0.76	
	35 Parneah „ 26, '90	0.67	Weather—cloudy with easterly winds. Rain has not been sufficient for <i>bhadoi</i> sowings on high lands. Rice sown on low lands doing well. Jute is being sown in the Kishengunge subdivision.
	Kishengunge „	0.22	
	Arrareah „	0.73	
	36 Maldah „ 26, '90	0.45	Weather—cool and cloudy. High wind almost every day. Harvesting of <i>boro</i> commenced in English Bazar station. In other places the state of this crop has been improved more or less by the rain. State of mulberry continues fair. Prices of common rice stationary.
	Chanchal „	0.12	Weather—cool except in Godda, where it is reported very hot. Rain has done much good, but more is wanted in Godda. <i>Boro dhan</i> coming to ear in Rajmehar. In Pakour no indigo sown this year on account of drought. Ploughing going on.
	Shibgunge „	0.23	
	Gajole „	0.75	
	37 Sonthal Pergha „ 26, '90	0.40	
	Deoghur „	1.12	
	Godda „	0.40	
	Jamtara „	0.03	
	Pakour „	0.21	
	Rajmehar „	1.19	
		0.75	